1779

ANNUAL SUMMARY

OF

BIRTHS, DEATHS, AND CAUSES OF DEATH

IN

LONDON,

AND OTHER LARGE CITIES,

1876.

PUBLISHED BY THE AUTHORITY OF THE REGISTRAR GENERAL OF BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND.

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1877.

LONDON.

AREA.—The Area of London (the registration division so called) is 78,080 acres, or 122 square miles, including 2718 acres of the Thames; this is equal to 31,597 hectares, or 316 square kilometers. The length of the streets and roads is about 1500 miles, and their area nearly 12 square miles. The Area of London being 122 square miles is equal to a square of about 11 miles to the side. Assuming that it is crossed by straight roads at equal intervals, there would be 136 such roads, each 11 miles long and 142 yards apart. The Sewers have a length of about 2000 miles, and are equal to 182 sewers 11 miles in length, on an average 106 yards apart.

ELEVATION.—The population of London resides at a mean elevation of 39 feet (11·9 metres) above Trinity high-water mark; the elevation varying from 11 feet (3·4 metres) below high-water mark in Plumstead Marshes, to 429 feet (131 metres) above high-water mark in Hampstead.

HOUSES.—At the Census in 1871 there were within this area 417,767 inhabited houses, containing an average of 7·8 persons to a house, exactly corresponding with the proportion in 1861.

ANNUAL RATEABLE VALUE.—The Annual Rateable Value of Property in the Metropolis, in December 1876, as assessed by the Metropolitan Board of Works in accordance with the Valuation (Metropolis) Act, 1869 = £23,251,702.* For Annual Rateable Value in 1871, see Table 6.

DENSITY (1871).—103 persons to a hectare; 42 persons to an acre; 26,674 to a square mile.

ANNUAL RATE OF INCREASE OF POPULATION PER CENT.	1851–61	1·73
	1861–71	1·50

1876.

POPULATION (Estimated to the middle of the year.)	Males	1,633,221	TOTAL	3,489,428
	Females	1,856,207		
BIRTHS	Males	64,920	TOTAL	127,015
	Females	62,095		
ANNUAL RATE OF BIRTHS PER 1000 OF THE POPULATION				36·5
DEATHS	Males	40,001	TOTAL	77,411
	Females	37,410		
ANNUAL RATE OF MORTALITY PER 1000	Males	24·5	TOTAL	22·3
	Females	20·2		
EXCESS OF REGISTERED BIRTHS OVER DEATHS				49,604
ESTIMATED INCREASE OF POPULATION				44,164

* This figure represents the Annual Rateable Value of Property within the District of the Metropolitan Board of Works, as defined by the Metropolis Local Management Act, 1855 (18 & 19 Vict. c. 120.) The District of the Metropolitan Board of Works is identical with that adopted for Poor Law and Registration purposes, except that the hamlet of Penge, in Croydon District, is situated within the District of the Metropolitan Board of Works, but is excluded from Registration London; and the hamlet of Mottingham, in Lewisham District, is included with Registration London, but excluded from the District of the Metropolitan Board of Works.

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General Register Office, Somerset House,
20th March 1877.

Behold now this vast city: a city of refuge, the mansion-house of liberty, encompassed and surrounded with His [God's] protection.—*Milton.**

When Milton wrote this passage the population of London by the best estimate was much less than half a million ; and the two metropolitan counties of Middlesex and Surrey, with a population of 387,000 in 1600, and 863,000 in 1700, were then inhabited by not more than 650,000 people. It was the metropolis of England and her few colonies. Now London within the present Bills of Mortality has by estimate 3,489,428 souls within its limits; and greater London, extending fifteen miles all round the centre, has 4,286,607. Among the employments of London, Milton refers not only to it as the "shop of war," with waking hammers and anvils, where the "instruments of armed justice" were fashioned, but as the abode of men "there sitting by their studious lamps, musing, searching, re-"volving new notions and ideas wherewith to present, as with their homage and "their fealty, the approaching reformation; others as fast reading, trying all "things, assenting to the force of reason and convincement." Still these works, in greater variety and amplitude—though less directed to arms and exciting controversy—employ the people of the Metropolis of an extended Empire. It is still the centre of the Government, the sciences, the arts, and the learned professions of England. At the last Census more than a hundred thousand MEN were enumerated in the professional class, including the Houses of Parliament, civil servants, officers of the navy and officers of the army—the latter in smaller numbers than are found in any other European capital—the clergy, lawyers, physicians, scientists, authors, editors, artists, teachers, civil engineers : fifty-three thousand of the entertaining and domestic class were enumerated; two hundred and eleven thousand of the great commercial class, including bankers, merchants, clerks, and their collaterals—the great transport class on railways, roads, rivers, canals, seas, warehouses; messengers and men in the telegraph service; the agricultural class, barely represented by twenty-seven thousand, including landowners and a sprinkling of farmers, labourers, nurserymen, and gardeners, as well as horse owners ; the indus-

* Areopagitica, published in 1644.

trial, the most numerous class of all, five hundred and five thousands, including publishers and printers; musical instrument makers in thousands, lithographers, wood-carvers; watch-makers, philosophical instrument makers—none better in the world; engine and machine makers (fourteen thousands), besides toolmakers and cutlers; coach-makers (six thousands), saddlers, shipbuilders, architects, surveyors, builders, carpenters, and joiners (thirty-two thousands), bricklayers (eighteen thousands), masons, plasterers (six thousands), plumbers, painters, and glaziers (twenty-eight thousands); cabinet-makers and upholsterers (seventeen thousands), carvers and gilders, undertakers, manufacturing chemists and dyers; woollen, worsted, flax, cotton manufacturers very few; silk some three thousands; mercers and drapers (eleven thousands); hairdressers; hatters (three thousands), tailors (twenty-four thousands), shoemakers (thirty-one thousands), umbrella and stick makers, ropemakers; cowkeepers and milksellers (five thousands), butchers (twelve thousands), fishmongers (four thousands), bakers and confectioners (fourteen thousands), greengrocers and fruiterers (six thousands), brewers (four thousands), wine and spirit merchants (four thousands), grocers (eleven thousands), tobacconists (five thousands), soapboilers, tallow-chandlers, tanners, and curriers, leather case makers; brushmakers (three thousands), oil and colourmen (three thousands), French polishers (three thousands); timber merchants, sawyers, box and packing-case makers; coopers (five thousands), paper-makers; stationers (four thousands), coal merchants; coalheavers (three thousands), men engaged in gas service (three thousands), railway labourers, earthenware manufacturers few, glass manufacturers (three thousands), goldsmiths, silversmiths, and jewellers (seven thousands), brass manufacturers and braziers (four thousands), gasfitters (three thousands), wire workers; iron manufacturers (five thousands), whitesmiths; blacksmiths (nine thousands), and ironmongers (two thousands), and a multitude of other industrial workmen. Of labourers sixty-five thousands were told, besides thirty-five thousands in undefined employments.

Of Women several were authors, artists, actresses, musicians, schoolmistresses, and governesses: in the domestic class, eight hundred and ninety-two thousand one hundred and thirty are wives that in many cases aid their husbands in business but in the majority of cases they may be simply called housewives; then two hundred and twenty-six thousand are domestic servants; many keep inns and lodging-houses; large numbers are shopkeepers or hawkers: bookbinding occupied large numbers (five thousands); so does artificial flower-making (four thousands): out of the household the three great occupations of women are making, mending, and washing articles of dress; there were in 1871 fifteen thousand tailoresses, fifty-eight thousand milliners and dressmakers, twenty-seven thousand shirtmakers and seamstresses, five thousand shoemakers, and forty-four thousand laundresses; four thousand box and packing-case makers, eleven thousand machinists. Only twenty-nine thousand are returned simply as gentlewomen.

The numbers in nearly all the classes have increased in various proportions since the Census, but in none so much as in the juvenile class of scholars. The number of boys and girls returned as scholars in average attendance in the last half of 1876 at the London Board Schools was 114,000; at voluntary schools 200,000. About 1,160,161 in 1876 were children under 15 years of age; the boys and girls under the age of 5 are nearly equal in numbers, whereas the girls are slightly in excess at the ages from 5 to 15: after the age of 15 the young women exceed the young men, and the excess goes on increasing, owing to the excess in the emigration of males over females, and to the excess in the immigration of females. Thus males were to females as 100 to 114 of all ages in London; and at the ages of 20 and upwards at the last Census, while the males were 842,793, the

females exceeded that number by 179,626. This has the effect of reducing the general rate of mortality to some extent. More than half of the population aged 20 and upwards were born out of London.

There is a constant movement of the population of London going on; not only in births and deaths, but in migrations in and out of its limits. The births in 1876 amounted to 127,015, the deaths to 77,411; the excess of births registered over deaths was therefore 49,604. This accounts for more than the calculated increase of population (44,164); so London is not only self-sustaining, but self-multiplying, and it sends out swarms of its children to other parts.

The mean density of the population to an acre in all London was 25 persons in 1841, and 42 persons in 1871; and while there is an incessant clearing out of population in the city and the central districts, the west, north, east, and south districts present continual increases. The central districts had 172 persons to an acre in 1841, and 150 persons to an acre in 1871; the south districts since they have been drained are increasing rapidly; they had 11 persons to an acre in 1841, and 21 persons to an acre in 1871.

The hospitals and workhouses afford relief to many thousands in need; and it is a remarkable fact that under English institutions, while there are no doubt many thousands suffering from insufficient supplies of the necessaries of life, the deaths of only 27 out of three millions and a half living were directly referred to privation in the last year.

As London produces neither grain, vegetables, nor fruits; malt nor meat, fish nor fuel; neither wool, flax, cotton, nor silk; every article of food and clothing its millions consume has to be imported, as well as the tea, sugar, coffee, and wine from tropical or distant climates: the brick of its houses may have been dug out of the London clay, but the wood of its floors, rafters, and furniture, the metals, and the very stones of its streets, have been imported. And, what is more, all these articles in the shape of raw material, in various stages of manufacture, or finished for use, are paid for. The greater part of the inhabitants are no doubt engaged in reciprocally supplying each other's wants; but nothing is truer than that, though London is inhabited by large numbers who live themselves and supply their establishments out of rents, dividends, and other sources accruing from profits out of London, a great part of the income of the inhabitants is derived from the sale of their industrial products, their skill or services, to persons living outside its borders, either in the United Kingdom, its colonies, or foreign lands. They do not get the value of the immense daily consumption for nothing; but for its equivalent in some other form more acceptable to its owners.

M. Korösi, an enterprising statist of Buda-Pesth, presented the International Statistical Congress at its meeting in the capital of Hungary with the first section of the *Statistics of Great Cities*, treating of population, to be followed by others on finance, industry, and other subjects. When England undertakes, in addition to the census of population, an industrial census, which cannot be long delayed, the accounts of the societies, companies, industrial establishments; the docks, the warehouses, the ships, the factories, and shops of every description in London will not be one of its least interesting chapters. Upon taking the values of the various orders of products and of their materials, it will be seen what London gives for what she gets; for if London desires much that the world produces, the world desires much that London produces; and in the end, between the two values, dependent upon these desires, equilibrium is established.

*Water and Gas.**—The water London requires now comes from a distance, and is distributed by companies at a cost of 1,197,306*l.*; of which 445,768*l.* goes in working expenses, and 751,538*l.* in the profits of capital. The cost of the existing capital is at the rate of 6·5 per cent.

London gets its gas through companies from the coal imported at a cost of 2,650,284*l.* for the supply through meters. The working expenses are 2,506,061*l.*; but in addition to the meter rents the companies get 780,781*l.* from the sale of coke and from other sources, making the gross revenue 3,431,065*l.*; and the profit 925,004*l.*, that being the difference between the working expenses and the gross revenue. The profits of capital are at the rate of 8·4 per cent.

The capital engaged in the gas and water companies is 22,492,157*l.*; which realized in the year that ended on April 1, 1876, no less than 1,676,542*l.* That was 7½ per cent. all round. Now, if this amount of capital were required to construct all the works necessary to supply London with the best gas, and pure soft water at high pressure, the capital could probably be raised at 4, or certainly at 3½ per cent., less than is now paid in dividends. If the capital were raised at 4 per cent. 776,856*l.* would be set free; out of which, after the companies were adequately compensated, there would be a large revenue for education and for many municipal purposes. Such is the tax under which London suffers from the want, years ago, of an intelligent, enterprising municipal organization. Though the companies have no explicit monopoly, still they necessarily act precisely as a company would which had the supply of bread exclusively in its hands, or as a great candle company that supplied light would under the same circumstances; they would fix the prices of these necessaries of life—bread and light—so as to earn the highest dividends.

It is not only the tax, which threatens to be perpetual in the case of virtual monopolies, but the difficulty of getting such improvements as the age demands in the character of the articles supplied. Water is now required in London soft, pure, aërated, and distributed on the constant system, in pipes, under pressure such as would pour floods of water through hydrants on burning houses and piles of warehoused goods. But that would involve expenditure and diminished dividends, to which no body of shareholders will willingly submit. So long as their customers are quiet they will supply the cheapest article at the highest price.

Dr. Frankland has continued his analyses of the London waters supplied by the several companies from the Thames, from the Lea, and from chalk wells. The results are full of interest, and are useful to the companies themselves.

According to these returns the eight companies supplied, on an average, 527,434 houses and establishments with 538,926 cubic meters (equal to nearly as many tons) daily.

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* London Water and Gas Companies.

Total paid up Capital (including Amount received on Calls paid in advance), Revenue, and Expenditure of the Metropolitan Gas and Water Companies for the last financial year ended prior to 1st April 1876.

———	Total paid up Capital (including Calls paid in advance).	Total Gross Revenue.	Revenue from Gas, Meter, and Water Rents.	Total Working Expenditure.
	£	£	£	£
Gas Companies - -	11,005,591	3,431,065	2,650,284	2,506,061
Water Companies -	11,486,566	1,197,306	1,180,939	445,768

Sewerage.—The main sewers of London are now nearly completed. The amount of sewage pumped up daily was 342,483 cubic meters at Barking, and 276,635 at Crossness. Thus the daily amount of sewage pumped into the Thames was 619,118 cubic meters. The daily average was 920,514 in the last week of the year. It was the maximum.

Meteorology.—The mean temperature of the year 1876 at Greenwich was 50°·1 Fahrenheit, which is 1°·3 above the average of 105 years. But in the hot months of July and August the temperature was excessively high; it was 4°·3 above the average in July, 2°·9 in August. On one day of July the temperature touched 94°·0, on one day of August 93°·8. July was almost rainless. There was a downfall of 24·2 inches of rain in 167 out of the 365 days. The average rainfall at Greenwich for the 36 years 1840–75 was 24·1 inches, so that the amount of rainfall was the same in 1876 as in previous years; but it was irregularly distributed. The wind swept the earth at the mean velocity of 12 miles an hour, which is 2 miles above the average of 1850–9, and 1·4 mile above the average of 1861–9. This carried off the smoke and other impurities at an unusual rate. The frosts of the winter months were not severe. Only in two weeks was the mean temperature below the freezing point; and then it was 30°·7 Fahrenheit in the second week of January, and 31°·5 in the second of February. The latter week was followed by the week of highest mortality, when 2005 deaths were registered, the weekly average through the year being 1489.

On page x will be found a table, showing the amount of bright sunshine registered at the Royal Observatory, Greenwich, during the last eight months of 1876; these results were obtained from daily observations of Campbell's Registering Sun-Dial, which was first brought into use at the Royal Observatory on 7th May.

Mortality.—The rate in London was 22·3 per 1000; this is 1·9 (nearly 2) per 1000 below the average of the years since 1840; the average rate being 24·2 per 1000, *one* person to 41 living dies yearly.

The mortality was lowest in the West, highest in the East districts through the series of years. The diminution in the mortality is most striking in the south districts; then follow the west. The City and the Central districts have remained nearly stationary during the 37 years.

Annual Deaths.—The average annual deaths in the ten years 1866–75, corrected for increase of population up to the standard of 1876, was 82,495. Now the actual deaths in the 52 weeks of 1876 were 77,411, or 5084 below the average. And 19,893 were deaths of infants under one year of age; 13,080 were 1 and under 5 years of age; making 32,973 children in the aggregate under 5 years of age.

Institutions.—14,073 persons died within the walls of institutions; of these, 8174 died in workhouses, 5310 in hospitals, and 441 in lunatic asylums. So that more than one-sixth part of the people die in establishments supported by charity and public rates.

Fatal Diseases.—Scarlet fever, measles, small-pox, whooping-cough, diarrhœa, and fever are in London now the most fatal of the zymotic diseases, and from every one of them the deaths were below the average of the preceding ten years. Small-pox in the last quarter of the year was very prevalent; the deaths during 1876 were 735. The corrected average deaths in the ten preceding years (of 365·4 days) were 1556; the correction being equivalent to an addition of $7\frac{1}{2}$ per cent. for increase of population. Thus the 735 deaths were less than half the average number. The epidemic was not over, but continued to prevail at the beginning of the present year; yet the numbers are not likely to approach the deaths

of the year 1871, when in 364 days 7876 persons died of small-pox in London. Cancer is growing more fatal than it was ten years ago. The fatality of diseases of the respiratory organs was slightly above the average. Premature births amounted to 1325; exceeding the corrected average of the preceding ten years by 106. This is probably in part due to the new regulations, by which no child can be buried as still-born without a certificate. Under the previous loose practice it is probable that several children born alive prematurely were interred as still-born, to save expenses of burial.

The violent deaths were 2885; of which 7 were executions; 96 were homicides, including manslaughters, infanticides, and murders; 298 suicides; and 2430 accidents, often, however, arising from negligence. The 7 executions exceeded the greatest number (3) recorded in any of the previous ten years. The homicides were below the average, as indeed they had been for the previous two years. The suicides were slightly below the average. The deaths by accident or negligence exceeded the corrected average by 69.

The battle of the streets is still excessively fatal: 217 persons were killed in the year; and 2974 persons were so severely wounded as to fall under the notice of the police. The slaughter is partly due, no doubt, to the abolition of the deodand, without any effectual substitute.* There is danger that people might acquiesce in this sacrifice of life as if it were inevitable, and entered into the inscrutable designs of Providence—that vans, waggons, and drays drawn by heavy horses should trample to death and crush the life out of 84 persons walking about the streets of London; that carts should kill 56 persons, cabs 24, tram cars 12, omnibuses 17. Only 4 of the deaths were ascribed to carriages, and 13 in various ways to horses.

Hospitals exist to prove that London is at heart full of charitable feeling. Thousands of persons find in them rest, relief, and remedies for their diseases; and the last hours of 5310 patients were spent in the beds of 88 hospitals.

The skill of the officers is unquestionable, and the economy of cookery and nursing in large establishments is evident; but what were singularly neglected for many years in these institutions were the diseases generated and aggravated by the bad air, and the impure excretions of sick people. Septicæmia, pyæmia, erysipelas, hospital gangrene, are ever on the alert, and their zymotic leaven is apt to spread from bed to bed, unless extraordinary precautions are taken to secure pure air, and the utmost personal cleanliness both in nurses and patients. It is an advantage, in a certain sense, to remove the sick of contagious diseases from the midst of the living; and especially is this the case where the patient has no friends, or where the friends are unable to supply his wants in illness: and where this is done in the interests of society it should be done in the ways the least injurious to the afflicted who are sent outside the camp. This is most effectually done by allowing ample cubic space to each patient, and by limiting the numbers in each ward. It might be demonstrated in the case of small-pox, which represents the other diseases of the zymotic class, that the mortality is lower in private than in hospital practice.

Lying-in Hospitals attracted the early attention of inquirers; and those of London are now much less dangerous to mothers than they were formerly. But

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* The short Act of one clause (9 & 10 Vict. c. 62), declares that "the law respecting the "forfeiture of chattels *which have moved to or caused the death of man*, and respecting deodands, "is unreasonable and inconvenient," and it enacts, "that from and after the 1st day of September "1846 there shall be no forfeiture of any chattel for or in respect of the same having *moved to or* "*caused the death of man.*" Admitting that the old law in force would be "inconvenient" to the owners of the vans, waggons, drays, and other vehicles that killed 217 people, often by faults of construction or by faults of driving, is it not probable that had the deodand taken the form of a fine some lives would have been saved?

all the difficulties have not yet been overcome. From valuable returns with which the Registrar General has been favoured by these Institutions it appears that 1286 women were delivered in five London hospitals of 1301 children; there were 15 cases of twins; and of the 1301 children 1238 were born alive, 63 were still-born. Thus to 100 children born alive 5 were still-born. And after 1000 deliveries 26 mothers died. In the whole of London 609 mothers died in childbirth or of puerperal fever; and the number of children born alive was 127,015. So the deaths of mothers to 1000 children born alive were rather less than 5. After correction for still-born and twins the deaths of mothers to 1000 deliveries in the rest of London were 4·4; to 1000 deliveries in the Lying-in Hospitals 25·7. This is a striking sample of the dangers to be apprehended when men, women, or children suffering from the same kind of affection are brought into the same wards.

Five Zymotic Diseases.—The observations which have appeared for 37 years in the weekly tables, as regards certain diseases, enable us to test the influence of the seasons on the mortality they occasion in London. The results are collected in Table 18. Thus it will be seen that *small-pox* is most fatal in the winter and spring quarters, each of thirteen weeks: in the third week of the year the average deaths by it were 24; in the eleventh week the deaths fell to 19, and then rose again to 23 in the eighteenth, the twentieth, and the twenty-first. The weekly deaths fell in the third quarter (summer) to 15, 14, 13, 12; and rose again late in autumn to 20, 21, and 23. The average weekly deaths of the year by small-pox were 19, by measles 29. *Measles* was least fatal in summer; was most fatal in the cold close of the year, when the deaths rose in the last six weeks to 37, 41, 42. The lowest average weekly number of deaths from measles was 26, the highest 42: the range in small-pox was from 12 to 24: in both cases the range was in the proportion of 1 to 2. *Scarlet fever* alone was as fatal as small-pox and measles together. The mean weekly deaths were 48, precisely the same as (19+29). In the beginning of autumn scarlet fever is most fatal, and then it killed from 72 to 76 persons, chiefly children, weekly. Spring is the least infested by this disease. In the fourteenth week 30, the smallest number of its victims, died. Thus the range of the deaths from scarlet fever is from 30 to 76; the rise is in the ratio of 1 to 2·5. *Fever*, including typhus and enteric, is now subject to little variation; the fewest mean weekly deaths were 36 at the end of spring; while the greatest number of weekly deaths were 48 at the end of the autumn quarter; these extreme numbers being in the proportion of 3 to 4.

Diarrhœa is subject to the greatest variations in its prevalence and fatality. The mean weekly deaths were 47, slightly less than the deaths from scarlet fever. It is least fatal in the cold winter, most fatal in the heats of summer. The lowest number of weekly deaths was 12, the highest 191; these numbers being in the ratio of 1 to 16.

Greater London. (Tables 6, 7.)

The greater London had in the year 1876, by estimate, 4,286,607 inhabitants; among whom 153,192 children were born, and 91,171 persons of all ages died. The annual birth-rate was 35·7; the death-rate 21·3 per 1000. The death-rate in Inner London was 22·3; in the Outer Ring 17·3, or, after correction for the deaths of persons not belonging to the Outer Ring in the two Middlesex Asylums, 16·9. Thus at present the mortality of the population in the Outer Ring is low. And this is the time to see to its sewerage and water supply; before it loses its advantages. The population is selected to a certain extent. The birth-rate and the mortality of the several districts of the Outer Ring are shown in Table 9.

Twenty-three Great Cities of the United Kingdom. (Table 1.)

The population of the Great Cities, including London (proper), was by estimate 8,028,595; the registered births were 301,961, the deaths 189,689. The birth-rate per 1000 living was thus 37·7, the death-rate 23·7. The excess of the birth-rate was 14·0. The death-rate was lower than in either of the four previous years.

Fifty Cities and Towns of England and Wales. (Table 8.)

These municipal boroughs, exclusive of those above noticed, contained 2,743,597 inhabitants by estimate. The births in the year were 104,763, the deaths 60,365. The birth-rate was 38·0, the death-rate 21·9. The death-rate from the seven zymotic diseases was 3·3 per 1000 living; lower by 0·8 than the rate from the same diseases in the great cities (4·1).

Indian and Foreign Cities. (Table 10.)

The population of the three great cities of the Indian Empire—Calcutta, Bombay, and Madras—was estimated at 1,471,492. The deaths returned in 1876 were 49,461. The mortality was at the rate of 33·6. In Calcutta it was 30, Bombay 33, Madras 39. There is some uncertainty about the respective populations exposed to risk in the three capitals; but the mortality in Madras implies a very bad sanitary condition, which deserves all the attention of the municipal authorities.

The Registrar-General has again been favoured with weekly returns from Paris, Berlin, Vienna, Rome, and other great cities of Europe, as well as from the great cities of the United States.

It is very encouraging to see that the great cities which experience a mortality above the average, faithfully record the facts; as this must infallably lead to the discovery of the causes of disease, and ultimately to their removal.

Paris has suffered extensively from typhoid fever; Berlin from diphtheria and typhoid fever. The causation is undergoing investigation in both these cities. The state of the waters and sewers will no doubt be carefully studied. Diphtheria and scarlet fever have ravaged the American cities, and will engage the attention of the energetic Health Officers who watch over the health of these great populations.

Duration of Sunshine at the Royal Observatory, Greenwich, in each Month from May to December 1876.

Month, 1876.	Number of Days of Observation.	Total registered Duration of Sunshine.	Corresponding aggregate Period during which Sun was above Horizon.	Mean daily Duration of Sunshine.	Mean daily Period during which Sun was above Horizon.	Proportion of average daily Sunshine to average possible Sunshine.	Mean Altitude of Sun at Noon.	Mean of highest daily readings of Solar Radiation Thermometer.
		h.	h.	h.	h.		°	°
May - -	25	152·3	392·6	6·1	15·7	0·39	58	118·4
June - -	30	184·5	494·5	6·2	16·5	0·37	62	122·1
July - -	30	214·3	481·4	7·1	16·0	0·45	60	135·8
August -	31	216·9	449·1	7·0	14·5	0·48	52	131·0
September	30	106·1	376·9	3·5	12·6	0·28	41	105·0
October -	26	47·3	279·8	1·8	10·8	0·17	31	86·9
November	30	35·9	264·4	1·2	8·8	0·14	20	67·1
December-	31	6·5	242·7	0·2	7·8	0·03	16	56·1

Note.—The duration of sunshine given in this Table is derived from the records of Campbell's "Registering Sun-Dial," first brought into use at the Royal Observatory in the month of May 1876. Only periods of bright sunshine are included, as no register is effected when the sun shines with little power or faintly through clouds. Registration was commenced on 7th May; on one day in July the register was imperfect, and on five days in October the instrument was out of action.

TABLES.

TABLE **1.—Population; Persons** to an **Acre; Births** and **Deaths; Annual Birth** and **Death Rates; Mean Temperature** and **Rainfall,** in the Year **1876,** in **London** and **Twenty-two** other **Large Towns** of the **United Kingdom.**

CITIES AND BOROUGHS.	ESTIMATED POPULATION in the middle of the Year 1876.*	PERSONS to an Acre. (1876). †	BIRTHS in 52 Weeks ending 30th Dec. 1876.	DEATHS in 52 Weeks ending 30th Dec. 1876.	ANNUAL RATE per 1000 living, of BIRTHS in 52 Weeks ending 30th Dec. 1876.	DEATHS in 52 or 53 Weeks in each Year. 1872.	1873.	1874.	1875.	DEATHS in 52 Weeks ending 30th Dec. 1876.	MEAN TEMPERATURE in 52 Weeks ending 30th Dec. 1876.	RAINFALL in inches in 52 Weeks ending 30th Dec. 1876.
In 23 TOWNS of the UNITED KINGDOM	8,028,595	37·7	301,961	189,689	37·7	24·2	24·3	25·3	25·4	23·7	° 48·4	Inches. 33·59
LONDON	3,489,428	46·3	127,015	77,411	36·5	21·4	22·5	22·5	23·7	22·3	50·1	23·85
BRIGHTON	100,632	42·7	3,007	1,968	30·0	20·9	18·8	20·0	22·0	19·6	49·7	31·87
PORTSMOUTH	124,867	27·8	4,047	2,748	32·5	22·9	18·4	20·4	19·5	22·1	—	—
NORWICH	83,430	11·2	2,802	1,823	33·7	26·3	21·5	23·5	24·5	21·9	48·9	27·19
PLYMOUTH	72,230	51·8	2,180	1,593	30·3	22·3	19·2	22·4	20·9	22·1	50·7	42·17
BRISTOL	199,539	44·8	7,477	4,491	37·6	22·0	23·1	22·7	26·8	22·6	50·0	42·72
WOLVERHAMPTON	72,549	21·4	2,857	1,723	39·5	25·9	25·1	23·9	24·7	23·8	48·3	33·88
BIRMINGHAM	371,839	44·3	15,843	8,425	42·8	23·0	24·9	26·8	26·5	22·7	—	—
LEICESTER	113,581	35·5	4,775	2,614	42·2	26·8	24·4	24·1	26·6	23·1	49·1	29·22
NOTTINGHAM	93,627	46·9	3,481	2,196	37·3	25·3	23·2	24·8	27·7	23·5	48·7	28·94
LIVERPOOL	521,544	100·1	20,426	14,347	39·3	27·1	25·9	32·0	27·5	27·6	48·2	29·99
MANCHESTER	357,917	83·4	14,188	10,413	39·8	28·6	30·1	30·4	29·9	29·2	—	—
SALFORD	138,425	26·8	6,806	4,407	49·3	25·8	29·3	29·6	31·5	31·9	47·7	38·09
OLDHAM	88,609	19·0	3,867	2,593	43·8	31·1	25·8	29·7	29·6	29·4	—	—
BRADFORD	173,723	24·1	6,787	4,138	39·2	26·3	24·7	27·0	27·1	23·9	48·0	34·47
LEEDS	291,580	13·5	12,147	7,307	41·8	27·9	27·6	28·7	26·4	25·1	48·8	31·15
SHEFFIELD	274,914	14·0	11,287	6,666	41·2	26·0	25·8	26·9	24·8	24·3	48·5	38·63
HULL	136,933	37·7	5,726	3,131	42·0	26·1	23·9	25·5	27·4	22·9	48·1	33·02
SUNDERLAND	108,343	32·8	4,417	2,265	40·9	26·5	22·8	23·4	22·4	21·0	48·4	29·21
NEWCASTLE-ON-TYNE	139,929	26·1	5,812	3,183	41·7	26·3	30·1	29·2	26·1	22·8	—	—
EDINBURGH	215,146	51·3	7,047	4,391	32·9	26·5	22·0	23·6	23·7	20·5	—	—
GLASGOW	545,144	90·4	20,961	13,759	38·6	28·4	29·1	31·1	28·6	25·3	—	—
DUBLIN	314,666	31·3	9,006	8,097	28·7	28·5	25·7	26·0	27·0	25·8	49·6	31·49

NOTE.—The deaths in Birmingham, Manchester, and Bristol include paupers belonging to those cities who died in Workhouses situated outside the Municipal boundaries.

* The figures in this column, excepting those for Dublin, are the numbers enumerated at the Census in April 1871, raised to the middle of 1876 by the addition of 5¼ times the annual rate of increase which prevailed between 1861 and 1871. The population of Dublin is taken as stationary at the number enumerated in 1871.

† For density of population, enumerated in 1871, per acre in the several Registration Districts of London, see Table 16.

TABLE 2.—**Mean Temperature,** and **Annual Rate** of **Mortality** per 1000 Persons living in **Twenty Large English Towns,** in each Week of 1876.

Number of Week.	Weeks ending	Mean Temperature at Greenwich.		Annual Rate of Mortality per 1000.																				
		Fahrenheit.	Centigrade.	Twenty English Towns.	London.	Brighton.	Portsmouth.	Norwich.	Plymouth.	Bristol.	Wolverhampton.	Birmingham.	Leicester.	Nottingham.	Liverpool.	Manchester.	Salford.	Oldham.	Bradford.	Leeds.	Sheffield.	Hull.	Sunderland.	Newcastle-on-Tyne.
	Year . (of 52 Weeks ending 30 Dec. 1876.)	° 50·1	° 10·06	24	22	20	22	22	22	23	24	23	23	24	28	29	32	29	24	25	24	23	21	23
	March Qr (13 weeks)	39·8	4·34	26	25	20	22	22	25	28	24	27	21	29	33	34	35	34	27	26	26	24	19	26
	June „ (13 weeks)	51·9	11·06	23	21	21	22	21	24	22	25	21	19	22	28	29	30	29	24	25	24	21	19	22
	Sept. „ (13 weeks)	61·8	16·56	23	22	19	24	24	18	21	23	23	29	22	25	27	30	26	21	27	25	25	23	23
	Dec. „ (13 weeks)	47·0	8·31	22	22	18	20	21	21	20	23	20	24	21	25	26	33	29	23	23	23	22	23	21
1	Jan. 8	34·8	1·56	25	23	13	25	18	17	25	27	27	23	21	30	30	37	29	22	28	26	23	16	29
2	„ 15	30·7	−0·73	26	24	20	23	28	24	27	25	25	20	28	35	33	40	31	29	24	26	26	21	27
3	„ 22	39·5	4·17	28	27	16	16	28	25	35	24	29	21	33	36	36	35	45	25	24	29	27	21	23
4	„ 29	40·2	4·55	26	24	24	21	25	16	26	28	32	25	34	30	32	38	41	28	28	22	24	19	26
5	Feb. 5	41·6	5·34	27	26	14	19	24	22	24	19	26	20	27	31	34	30	29	34	25	25	23	19	29
6	„ 12	31·5	−0·28	26	24	22	27	19	30	28	24	24	22	33	34	36	27	32	28	25	27	25	27	33
7	„ 19	44·5	6·95	31	30	29	25	19	32	33	29	28	22	42	42	39	40	37	29	29	30	20	22	26
8	„ 26	44·6	7·01	26	25	22	20	21	20	23	28	24	17	26	36	36	32	25	29	27	25	20	11	22
9	March 4	47·3	8·50	24	23	18	25	23	30	24	23	22	20	27	31	31	32	28	24	24	23	24	20	20
10	„ 11	42·4	5·78	24	22	23	18	19	32	25	24	23	15	27	32	32	34	28	21	26	21	27	16	21
11	„ 18	39·0	3·89	24	23	16	22	18	31	26	23	26	20	27	27	29	29	29	28	23	28	21	18	20
12	„ 25	35·7	2·06	27	24	25	21	22	26	32	20	29	25	21	32	37	40	39	26	27	34	25	21	31
13	April 1	45·3	7·39	27	25	21	26	20	27	28	21	29	18	27	34	38	35	43	29	26	23	27	21	25
14	„ 8	51·1	10·62	25	24	22	33	21	26	27	23	21	20	27	34	34	37	34	26	25	23	26	18	19
15	„ 15	40·9	4·94	23	21	16	16	19	20	23	24	23	21	31	28	32	28	30	27	25	25	18	24	26
16	„ 22	47·5	8·61	26	24	26	26	19	30	22	23	26	25	23	36	34	35	37	26	28	30	19	19	24
17	„ 29	50·3	10·17	24	23	22	20	29	22	20	27	24	18	25	29	30	36	35	18	23	22	21	21	18
18	May 6	44·8	7·12	23	21	16	16	18	19	22	31	21	21	22	26	31	29	29	29	24	26	22	21	21
19	„ 13	47·1	8·39	24	22	27	22	24	27	29	25	24	21	22	27	32	32	28	30	28	26	22	15	27
20	„ 20	49·2	9·55	22	20	22	17	23	27	24	28	22	19	23	27	30	31	21	23	25	28	23	14	25
21	„ 27	51·1	10·62	22	22	23	22	21	23	22	26	21	20	22	25	26	29	31	25	21	23	21	21	19
22	June 3	56·0	13·33	23	20	20	25	26	29	20	30	21	19	17	30	27	32	32	26	24	24	19	26	23
23	„ 10	54·5	12·50	20	19	22	21	18	26	19	21	20	14	21	22	27	23	24	26	21	21	20	17	19
24	„ 17	56·5	13·61	21	19	16	22	20	24	17	27	19	15	22	27	26	32	23	16	26	22	19	17	23
25	„ 24	62·4	16·89	21	20	20	22	18	14	22	19	18	21	20	24	26	23	28	20	26	24	23	16	21
26	July 1	62·9	17·17	19	18	19	22	17	20	18	17	19	9	13	22	24	29	28	21	22	17	15	17	19
27	„ 8	65·5	18·61	20	20	18	21	16	17	19	23	19	18	13	22	26	30	30	21	22	16	16	22	22
28	„ 15	65·5	18·61	22	22	20	26	19	19	20	22	19	19	15	24	25	23	29	21	22	24	18	18	22
29	„ 22	70·5	21·39	26	28	15	22	14	22	24	16	19	24	23	24	28	29	25	14	32	22	27	19	26
30	„ 29	63·5	17·50	27	30	19	24	26	12	28	22	20	32	26	25	29	29	19	22	34	22	25	26	24
31	August 5	61·2	16·22	26	25	16	22	23	19	23	27	21	40	36	27	28	30	31	24	36	27	30	22	27
32	„ 12	66·7	19·28	25	24	22	27	24	17	23	19	23	38	27	25	31	30	27	23	29	30	29	24	28
33	„ 19	72·0	22·22	26	23	27	31	30	18	19	27	32	46	28	27	33	32	29	24	34	33	29	27	22
34	„ 26	59·0	15·00	25	20	25	21	40	20	18	25	30	46	30	28	33	37	20	27	29	32	35	32	22
35	Sept. 2	56·7	13·72	23	19	17	31	34	21	23	30	29	34	26	27	27	29	29	26	26	26	34	32	24
36	„ 9	57·5	14·17	21	18	15	27	24	24	17	19	26	23	16	24	26	38	26	20	25	23	25	20	25
37	„ 16	51·5	10·84	19	17	16	26	18	13	21	22	20	20	18	21	24	26	22	17	23	20	22	17	23
38	„ 23	57·5	14·17	20	19	19	21	21	19	21	27	21	17	18	24	23	29	30	19	19	23	16	15	15
39	„ 30	56·8	13·78	20	18	20	15	19	18	19	21	19	23	18	24	24	29	23	18	20	21	22	16	15
40	October 7	58·0	14·44	19	18	18	19	28	13	20	22	19	18	18	21	26	26	24	18	21	21	20	20	23
41	„ 14	57·3	14·06	19	19	18	21	23	20	18	18	14	22	23	21	23	29	24	15	21	19	17	17	17
42	„ 21	53·7	12·06	19	18	15	22	21	18	19	15	20	30	17	20	22	26	30	17	23	22	16	19	12
43	„ 28	45·9	7·72	20	19	18	17	21	23	17	16	21	17	22	21	23	31	30	25	20	27	20	20	20
44	Nov. 4	44·1	6·73	22	21	20	19	24	25	20	29	19	25	21	24	24	40	28	21	23	26	19	16	23
45	„ 11	38·6	3·67	25	24	20	27	13	26	22	24	24	24	22	27	27	40	26	28	21	25	19	21	17
46	„ 18	50·0	10·00	28	28	18	23	24	25	24	33	24	30	24	28	33	37	37	31	25	31	23	26	24
47	„ 25	43·6	6·45	23	23	11	23	21	27	20	30	21	21	20	25	24	40	35	26	21	26	26	22	19
48	Dec. 2	46·0	7·78	24	23	25	19	18	20	19	20	20	24	18	29	30	38	32	23	28	21	25	31	21
49	„ 9	47·5	8·61	23	22	19	24	27	25	22	26	21	28	25	27	30	34	24	22	26	21	27	24	19
50	„ 16	42·5	5·84	22	22	11	19	18	20	19	27	17	23	29	26	25	31	28	24	24	19	26	30	22
51	„ 23	39·9	4·39	22	22	21	15	20	14	19	23	22	19	16	27	26	27	26	27	23	18	24	22	31
52	„ 30	43·3	6·28	23	23	22	18	21	20	19	22	19	27	18	30	28	28	31	24	27	22	18	33	28

TABLE **3.—Deaths** in **20 large English Towns** in the 52 Weeks ending 30th Dec. 1876.

(Estimated aggregate population in middle of 1876, 6,953,639; viz., 3,489,428 in London, and 3,464,211 in the 19 other Towns; see Table I.)

BOROUGHS, &c. (*Municipal Boundaries for all except* LONDON.)	DEATHS from ALL CAUSES.	The DEATHS registered in the 52 Weeks included											
		Deaths of		Deaths from								Inquest Cases.	In Public Institutions.
		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.		
In 20 TOWNS - -	163,442	44,098	31,180	1700	4031	5536	633	4591	3150	8535	5890	10033	23567
LONDON - - - -	77411	19893	15542	735	1741	2297	359	2739	1176	3518	2885	5279	13925
BRIGHTON - - -	1968	460	508	1	56	64	8	11	14	68	60	89	248
PORTSMOUTH - -	2748	576	486	1	127	447	10	52	70	99	58	119	243
NORWICH - - -	1823	492	560	2	12	59	9	6	29	125	44	114	157
PLYMOUTH - - -	1593	341	469	–	108	14	4	18	36	40	41	83	130
BRISTOL - - - -	4491	1143	1006	24	75	284	11	49	89	219	160	240	522
WOLVERHAMPTON -	1723	502	341	–	38	59	12	36	25	111	69	113	270
BIRMINGHAM - -	8425	2539	1464	–	87	204	53	195	140	647	388	647	983
LEICESTER - - -	2614	953	449	–	47	168	11	29	42	260	77	182	262
NOTTINGHAM - -	2196	600	499	–	35	74	1	40	43	139	75	140	241
LIVERPOOL - - -	14347	4253	2848	386	688	251	27	490	388	694	688	779	2105
MANCHESTER - -	10413	2552	1574	190	220	343	28	280	243	566	339	829	1656
SALFORD - - -	4407	1286	583	347	145	178	10	155	75	263	114	185	443
OLDHAM - - -	2593	674	398	7	55	110	2	18	71	100	82	98	156
BRADFORD - - -	4138	1180	634	1	135	143	20	65	73	210	114	176	295
LEEDS - - - - -	7307	2184	1160	4	178	320	21	119	177	492	192	340	544
SHEFFIELD - - -	6666	1904	1078	1	170	278	20	134	248	451	131	176	604
HULL - - - - -	3131	927	622	–	45	58	10	61	76	235	139	152	268
SUNDERLAND - -	2265	671	400	–	43	134	7	53	61	145	79	107	161
NEWCASTLE-ON-TYNE -	3183	968	559	1	26	51	10	41	74	153	155	185	354

TABLE **4.—Analysis** of the **Mortality** in **20 large English Towns** in the 52 Weeks ending 30th December 1876.

BOROUGHS, &c.	ANNUAL RATE OF MORTALITY per 1000 living at all Ages.			DEATHS under 1 Year, to 1000 Births Registered.	ANNUAL RATE OF MORTALITY per 1000 living.		PER-CENTAGE, TO TOTAL DEATHS, OF DEATHS.	
	ALL CAUSES.	SEVEN PRINCIPAL ZYMOTIC DISEASES.	VIOLENCE.		Aged 1 to 60 Years.	Aged 60 Years and upwards.	Registered upon Certificate of the Coroner. (Inquests.)	Registered in large Public Institutions.
In 20 TOWNS - -	23·6	4·1	0·85	166	14·0	76·2	6·1	14·4
LONDON - - - -	22·3	3·6	0·83	157	13·3	71·9	6·8	18·0
BRIGHTON - - -	19·6	2·2	0·60	153	11·1	65·1	4·5	12·6
PORTSMOUTH - -	22·1	6·5	0·47	142	14·9	66·8	4·3	8·8
NORWICH - - -	21·9	2·9	0·53	176	10·6	69·5	6·3	8·6
PLYMOUTH - - -	22·1	3·1	0·57	156	12·2	78·4	5·2	8·2
BRISTOL - - - -	22·6	3·8	0·80	153	13·1	71·9	5·3	11·6
WOLVERHAMPTON -	23·8	3·9	0·95	176	13·4	83·0	6·6	15·7
BIRMINGHAM - -	22·7	3·6	1·05	160	13·0	78·0	7·7	11·7
LEICESTER - - -	23·1	4·9	0·68	200	11·8	63·0	7·0	10·0
NOTTINGHAM - -	23·5	3·6	0·80	172	13·1	72·7	6·4	11·0
LIVERPOOL - - -	27·6	5·6	1·32	208	15·1	115·3	5·4	14·7
MANCHESTER - -	29·2	5·2	0·95	180	19·2	87·2	8·0	15·9
SALFORD - - -	31·9	8·5	0·83	189	20·1	84·9	4·2	10·1
OLDHAM - - -	29·4	4·1	0·93	174	18·8	87·0	3·8	6·0
BRADFORD - - -	23·9	3·7	0·66	174	14·6	75·3	4·3	7·1
LEEDS - - - -	25·1	4·5	0·66	180	14·9	76·1	4·7	7·4
SHEFFIELD - - -	24·3	4·8	0·48	169	14·6	84·6	2·6	9·1
HULL - - - - -	22·9	3·6	1·02	162	12·8	72·1	4·9	8·6
SUNDERLAND - -	21·0	4·1	0·73	152	12·1	65·7	4·7	7·1
NEWCASTLE-ON-TYNE -	22·8	2·6	1·11	167	13·0	73·6	5·8	11·1

TABLE 5.—LONDON, 1871. Of the **3,254,260 enumerated Inhabitants,** the **Number of each Sex born** in LONDON, and the **Number born elsewhere.**

—	MALES.			FEMALES.			EXCESS OF FEMALES.		
	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.
TOTAL INHABITANTS	680,358	842,793	1,523,151	1,731,109	708,690	1,022,419	207,958	28,332	179,626
BORN IN LONDON -	576,659	398,802	975,461	1,080,115	590,370	489,745	104,654	13,711	90,943
BORN OUT OF LONDON	103,699	443,991	547,690	650,994	118,320	532,674	103,304	14,621	88,683

Note.—The enumerated Population of London in 1871 included 2,055,576 of both sexes born in London and 1,198,684 born elsewhere. Of those *under* 20 *Years of Age* 1,167,029 were born in London, 222,019 were born elsewhere; of those *aged* 20 *and upwards* 888,547 were born in London, 976,665 were born elsewhere.

TABLE 6.—**Area, Population, Inhabited Houses, Rateable Value** of GREATER LONDON, 1871.

—	AREA.		Enumerated POPULATION, 1871.	DENSITY OF POPULATION in 1871.		INHABITED HOUSES, 1871.	RATEABLE VALUE, 1871.*
	In Acres (including Tidal Water).	In Square Miles.		Persons to an Acre.	Persons to a Square Mile.		
GREATER LONDON -	446,494	698	3,885,641	8·7	5,567	528,804	£ 23,177,380
INNER LONDON -	78,080	122	3,254,260	41·7	26,674	417,767	19,796,257
OUTER RING - -	368,414	576	631,381	1·7	1,096	111,037	3,381,123

* The Rateable Value of London in 1871 was furnished by the Local Government Board.

TABLE 7.—**Deaths** and **Annual Rate of Mortality** in GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS), during the 52 Weeks ending 30th December 1876.

—	Estimated POPULATION, middle of 1876.	ANNUAL RATE per 1000 living.			TOTAL BIRTHS.	DEATHS from ALL CAUSES.	The DEATHS registered in the 52 Weeks include									
							Deaths of		Deaths from							
		Births.	Deaths from All Causes.	Deaths from Seven Zymotic Diseases.			Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Deaths in Public Institutions.
GREATER LONDON	4,286,607	35·9	21·3	3·5	153,192	91,171	23,437	18,838	770	2070	2625	493	3142	1413	4267	15386
INNER LONDON	3,489,428	36·5	22·3	3·6	127,015	77,411	19,893	15,542	735	1741	2297	359	2739	1176	3518	13925
OUTER RING -	797,179*	32·9	17·3†	2·8	26,177	13,760	3,544	3,296	35	329	328	134	403	237	749	1464

* The Population of the Outer Ring is estimated by deducting the estimated Population of Inner London from that of Greater London calculated upon the rate of increase which prevailed between 1861 and 1871.

† The Death-rate in the Outer Ring corrected for the deaths in the two Middlesex County Lunatic Asylums (see Table 9.) was equal to 16·9 per 1000.

TABLE 8.—**Population; Births** and **Deaths** during 1876 in **Fifty other large Town Districts.**

District Number.	Towns.	Estimated Population in the middle of the Year 1876.*	Registered during the Year 1876.		Annual Rate to 1,000 living during the Year 1876.			Districts and Sub-districts, taken as approximately representing the several Towns.
			Births.	Deaths.	Births.	Deaths.	Deaths from 7 Zymotic Diseases.	
	TOTAL of 50 TOWNS -	2,743,597	104,763	60,365	38·0	21·9	3·3	Total of the under-mentioned Districts and Sub-districts.
	II.—SOUTH EASTERN COS.							
45	Rochester and Chatham P -	63,414	2071	1125	32·6	17·7	2·3	Entire District of Medway.
49	Maidstone - - - M† -	28,038	986	516	35·1	18·4	2·7	West and East Sub-districts.
63	Dover - - - - M -	37,348	1131	610	30·2	16·3	1·5	Entire District.
67	Hastings - - - M† -	36,537	1065	629	29·1	17·2	1·3	All Saints and St. Mary-in-the-Castle Sub-districts.
96	Southampton - - M† -	50,687	1752	1148	34·5	22·6	4·2	Entire District.
118	Reading - - - M† -	38,085	1422	684	37·2	17·9	2·3	Entire District.
	III.—SOUTH MIDLAND COS.							
149	Oxford - - - - M -	42,266	1360	768	32·1	18·1	2·0	Entire District, and St. Clement Sub-district of Headington.
159	Northampton - - M† -	53,410	2102	1140	39·2	21·3	4·3	St. Giles & All Saints Sub-districts.
178	Cambridge - - - M -	32,235	987	595	30·5	18·4	1·6	Entire District.
	IV.—EASTERN COUNTIES.							
195	Colchester - - - M -	27,779	885	500	31·8	17·9	1·6	Entire District.
213	Ipswich - - - - M -	45,697	1583	1045	34·5	22·8	2·4	Entire District.
219	Yarmouth - - - M† -	47,959	1558	936	32·4	19·5	3·3	Entire District and Gorleston Sub-district of Mutford.
	V.—SOUTH WESTERN COS.							
272	Exeter - - - - M† -	35,140	1056	773	30·0	21·9	2·1	Entire District.
279	Devonport - - - M -	49,449	1412	1034	28·5	20·9	4·1	Entire District of Stoke Damerel.
317	Bath - - - - - M† -	54,551	1455	1106	26·6	20·2	3·6	Bathwick, Abbey, Lyncombe, Walcot, and Lansdown Sub-districts.
	VI.—WEST MIDLAND COS.							
335	Cheltenham - - - M† -	43,144	998	876	23·1	20·2	4·4	Cheltenham Sub-district.
351	Shrewsbury - - - M† -	28,056	811	611	28·8	21·7	3·6	St. Mary and St. Chad sub-districts of Atcham.
364	Stoke-upon-Trent - P -	161,490	6967	3659	43·0	22·6	3·4	Entire Dis. of Stoke-on-Trent & Tunstall & Burslem Sub-ds. of Wolstanton.
373	Walsall - - - - M† -	54,480	2383	1174	43·6	21·5	3·6	Bloxwich & Walsall Sub-districts.
374	West Bromwich - Impt. D† -	51,484	2414	1094	46·8	21·2	2·7	South-west and North-east Sub-districts.
375	Dudley - - - - M† -	47,349	2232	1052	47·0	22·2	2·9	Dudley Sub-district.
380	Worcester - - - M -	33,203	1038	773	31·2	23·2	2·9	Entire District.
393	Coventry - - - M -	41,204	1550	906	37·5	21·9	3·2	Entire District.
	VII.—NORTH MIDLAND COS.							
421	Lincoln - - - - M† -	34,617	1424	741	41·0	21·3	3·1	Home Sub-district.
438	Derby - - - - M -	69,223	2841	1556	40·9	22·4	3·2	Entire District.
	VIII.—NORTH WESTERN COS.							
445	Stockport - - - M† -	58,911	2376	1735	40·2	29·4	4·8	Heaton Norris, and Stockport 1st and 2d Sub-districts.
446	Macclesfield - - - M† -	33,734	1204	1016	35·6	30·0	6·7	East and West Macclesfield and Sutton Sub-districts.
452	Chester - - - - M† -	49,249	1546	1066	31·3	21·6	3·8	Castle and Cathedral Sub-districts.
454	Birkenhead - - - P -	73,226	2950	1502	40·2	20·5	4·0	Birkenhead and Tranmere Sub-districts.
457	St. Helen's - - - M† -	49,671	2339	1208	47·0	24·3	5·8	St. Helen's Sub-dist. of Prescot.
459	Wigan - - - - M† -	42,866	2055	1156	47·8	26·9	4·3	Wigan Sub-district.
462	Bolton - - - - M† -	87,413	3487	2287	39·8	26·1	4·2	Little, Eastern, and Western Bolton Sub-districts.
463	Bury - - - - P† -	47,140	1899	1252	40·2	26·5	3·9	South and North Bury, and Elton Sub-districts.
468	Ashton-under-Lyne - M† -	31,441	1291	839	40·9	26·6	3·1	Ashton Town Sub-district.
470	Rochdale - - - M† -	51,980	1797	1304	34·5	25·0	4·0	Castleton Nearer, Spotland Nearer, and Wardleworth Sub-districts.
474	Blackburn - - - M† -	84,349	3425	2371	40·5	28·0	5·2	Blackburn Sub-district.
476	Preston - - - - M† -	86,738	3623	2487	41·7	28·6	4·6	Preston Sub-district.
481*a*	Barrow-in-Furness - M -	43,116	1686	705	39·0	16·3	4·3	Entire District.
	IX.—YORKSHIRE.							
494	Huddersfield - - M† -	79,658	2781	1825	34·8	22·8	3·7	Almondbury, Kirkheaton, Huddersfield, & Lockwood Sub-dists.
495	Halifax - - - - M† -	88,450	3035	1901	34·2	21·4	3·1	Southowram, Halifax, and Northowram Sub-districts.
515	York - - - - M† -	59,100	2068	1221	34·9	20·6	2·4	Bootham, Micklegate, and Walmgate Sub-districts.
532*a*	Middlesborough - - M† -	61,750	2570	951	41·5	15·4	1·8	Middlesborough Sub-district.
	X.—NORTHERN COUNTIES.							
551	South Shields - - M -	98,140	3967	1818	40·3	18·5	2·8	Entire District.
552	Gateshead - - - M† -	58,312	2718	1235	46·5	21·1	1·8	Gateshead Sub-district.
554	Tynemouth - - - M† -	43,692	1746	939	39·9	21·4	2·9	North Shields and Tynemouth Sub-dists.
569	Carlisle - - - - M† -	35,003	1313	837	37·4	23·8	3·1	St. Cuthbert & St. Mary Sub-dists.
	XI.—MONMOUTHSH. & WALES.							
582	Newport (Monmouth) M† -	32,977	1245	613	37·6	18·5	2·1	Newport Sub-district.
583	Cardiff - - - - M† -	77,051	3035	1597	39·3	20·7	4·7	Cardiff Sub-district.
585	Merthyr Tydfil - - P -	90,426	3680	1883	36·9	18·9	1·5	Lower and Upper Merthyr Tydfil, and Aberdare Sub-districts.
588	Swansea - - - M -	72,359	3444	1566	47·5	21·6	2·2	Llangafelach, Swansea, and Llansamlet Sub-districts.

NOTE.—The letter M or P affixed to the name of each Town denotes whether the limits, which the District or Sub-districts named in the last column approximately represent, are Municipal or Parliamentary. Impt. D. signifies Improvement District.

* For method of framing these estimates see note * to Table 1. As the population of Devonport, Macclesfield, and Ashton-under-Lyne declined between 1861 and 1871, the numbers for these towns are estimated to have remained stationary since 1871. The estimates of the present population of Coventry, Dudley, Wigan, and Barrow-in-Furness have been based upon local information as to the increase of inhabited houses in these boroughs between 1871 and 1875.

† The rates of mortality for these towns have been corrected by the exclusion of a proportional number of deaths occurring in County Hospitals and Lunatic Asylums, situate within the Districts or Sub-districts here taken to represent the town, or by the exclusion or addition of a proportion of the deaths in Union Workhouses in cases where a portion of the Union only is embraced by the area taken, or where the Workhouse is situated outside that area.

TABLE 9.—LONDON—OUTER RING. **Births ; Deaths** from **All Causes** and from the **Seven Principal Zymotic Diseases ;** and the **Annual Rate of Mortality** during the 52 Weeks ending 30th December 1876.

DISTRICTS AND SUB-DISTRICTS.	ESTIMATED POPULATION in the middle of the Year 1876.	BIRTHS.	DEATHS.	DEATHS from Seven Zymotic Diseases.	ANNUAL RATE per 1000 living.		
					Births.	Deaths.	Seven Zymotic Diseases.
LONDON—OUTER RING -	797,179	26,177	13,760	2215	32·9	16·9	2·8
EPSOM (*part of*) - - - -	27,951	794	453	79	28·5	16·3	2·8
CROYDON and *part of* GODSTONE	116,496	3315	1750	322	28·6	15·1	2·8
KINGSTON (*part of*) - - -	68,729	2054	1000	129	30·0	14·6	1·9
RICHMOND - - - - - -	31,417	877	518	89	28·0	16·5	2·8
BROMLEY (*part of*) - - -	38,740	1298	653	138	33·6	16·9	3·6
BEXLEY - - - - - - -	24,483	741	331	51	30·4	13·6	2·1
STAINES - - - - - - -	23,089	761	367	58	33·1	16·1	2·5
UXBRIDGE - - - - - - -	27,172	806	605	59	29·6	16·5	2·2
BRENTFORD - - - - - -	87,507	2716	1592	256	31·2	18·4	2·9
HENDON and BUSHEY - - -	60,158	1797	970	202	30·0	16·3	3·4
BARNET and *part of* HATFIELD -	29,931	883	630	57	29·6	14·1	1·9
EDMONTON - - - - - -	103,498	3654	1865	259	35·4	18·2	2·5
WEST HAM and *part of* CHIGWELL	141,458	5820	2734	466	41·3	19·4	3·3
ROMFORD (*part of*) - - -	16,550	667	292	50	40·4	17·7	3·0

Note.—In estimating the population of these Districts, upon which the birth and death-rates have been calculated, it has been assumed that the rate of increase in Greater London since 1871 has been the same as that which prevailed between 1861 and 1871; the estimate for the Outer Ring is obtained by the deduction of the estimated population of Inner London from that of Greater London. The estimates for each of the suburban districts have been adjusted to cast to the estimated total of the population of the Outer Ring, obtained in the manner above described. A proportion of the deaths recorded in the two Middlesex County Lunatic Asylums, situated in the Districts of Uxbridge and Barnet, has been excluded as belonging to the Middlesex portion of Registration or Inner London, and the remainder distributed among the Middlesex Districts in the Outer Ring.

TABLE **10.—Births** and **Deaths** in 1876 in **25 Foreign Cities.**

TOWNS.	AREA in Square Kilometers.	POPULATION (enumerated or estimated).	BIRTHS. (Exclusive of Stillborn.)	DEATHS. (Exclusive of Stillborn.)	ANNUAL RATE per 1000 Persons living.		DEATHS FROM EPIDEMIC DISEASES.
					Births.	Deaths.	
CALCUTTA - -	–	429,535	–	12,847	–	29·9	Cholera 1825.
BOMBAY - - -	48·2	644,405	–	21,023	–	32·6	Small-pox 3185.
MADRAS - - -	69·9	397,552	–	15,591	–	39·2	Small-pox 416; cholera 2038.
PARIS - - -	–	1,851,792	–	49,288	–	26·6	Typhoid fev. 2026; sm.-pox 371.
GENEVA - - -	–	66,865	1,949	1,490	29·1	22·3	Diphtheria and croup 37.
BRUSSELS - -	9·0	188,609	6,304	4,700	33·4	24·9	Small-pox 158; measles 108.
AMSTERDAM - -	14·3	289,981	10,454	7,430	36·1	25·6	Measles 134.
ROTTERDAM - -	7·2	132,054	5,520	3,700	41·8	28·0	Whooping-cough 33.
THE HAGUE - -	22·2	100,254	4,056	2,704	40·5	27·0	Typhus and typhoid fever 22.
COPENHAGEN - -	–	211,000	8,008	5,291	38·0	25·1	Scar. fev. 73; whoop.-cough 124.
CHRISTIANIA - -	–	77,000	–	1,797	–	23·3	Scarlet fever 242.
BERLIN - - -	59·2	980,000	42,755	28,963	43·6	29·6	Diphtheria 1097; typhd. fev. 622.
HAMBURG (State) -	384·8	388,618	15,754	9,660	40·5	24·9	Whoop.-cough 172; typhus 135.
BRESLAU - - -	30·2	240,471	10,402	7,828	43·3	32·6	——
MUNICH - - -	51·6	193,450	–	6,777	–	35·0	Diphtheria and croup 221.
VIENNA - - -	55·3	690,205	28,051	18,837	40·6	27·3	Small-pox 1186; scarlet fever 374
BUDA-PESTH - -	–	300,000	13,656	12,292	45·5	41·0	Measles 268; scarlet fever 154.
ROME - - -	14·1	262,428	7,537	7,592	28·7	28·9	Eruptive fevers 909.
NAPLES - - -	52·9	452,100	16,529	13,648	36·6	30·2	Typhus 315; diphtheria 324.
MILAN - - -	–	280,118	–	8,868	–	31·7	——
TURIN - - -	17·8	219,173	6,864	5,345	31·3	24·4	Diphtheria 208; measles 151.
ALEXANDRIA - -	–	212,034	9,298	9,142	43·9	43·1	Whooping-cough 311.
NEW YORK - -	106·2	1,061,518	–	29,152	–	27·5	Diphtheria 1748; scar. fev. 868.
BROOKLYN - -	–	506,223	–	12,267	–	24·2	Diphtheria 804; small-pox 296.
PHILADELPHIA -	335·1	825,594	–	18,893	–	22·9	Diphtheria 709; typhd. fev. 761.
BOSTON - - -	–	342,000	–	8,194	–	24·0	Diphtheria 573; scarlet fev. 456.

BLE **11.—Population** at different **Ages** in **London,** as enumerated at the Censuses of **1851, 1861,** and **1871,** with the Numbers of **Males** and **Females** at the various **Ages** in **1871.**

—	All Ages.	Under 5 Years.	5–	10–	15–	20–	25–	30–	35–	40–	45–	50–	55–	60–	65–	70–	75–	80–	85–	90–	95–	100 & upwds.
1851.																						
ersons	2,362,236	293,562	243,648	216,369	213,694	241,401	226,632	201,491	164,588	144,361	110,426	97,937	63,903	59,043	36,440	26,168	13,474	6,371	2,025	553	123	27
1861.																						
ersons	2,803,989	362,296	300,259	264,349	259,155	277,389	252,035	224,767	190,517	175,900	134,190	112,728	78,187	71,316	42,936	31,103	16,194	7,527	2,394	595	131	21
1871.																						
ersons	3,254,260	422,629	349,686	309,658	307,075	321,585	296,884	255,089	212,398	192,556	153,728	137,249	93,370	80,895	52,088	37,810	18,710	8,894	2,822	669	139	26
ales -	1,523,151	211,032	172,967	153,138	143,221	143,822	135,039	117,966	97,834	89,452	71,604	62,951	42,053	34,814	21,471	14,869	6,803	3,008	891	173	34	6
emales	1,731,109	211,597	176,719	156,520	163,854	177,763	161,845	137,123	114,564	103,104	82,124	74,298	51,317	46,081	30,917	22,941	11,907	5,886	1,928	496	105	20

NOTE.—In England the proportion of Females to Males in the population in 1871 was as 105 to 100; in London it was as 114 to 00, and corresponded with the proportion which prevailed at the 1861 Census. The excess of Females is especially apparent t the ages 15-20, and in each subsequent quinquennium.

TABLE **12.—Births** and **Deaths** in **London** in the 52 or 53 Weeks of Fifteen Years 1862 to 1876.

YEARS.	1862	1863 (53 weeks)	1864	1865	1866	1867	1868 (53 weeks)	1869	1870	1871	1872	1873 (53 weeks)	1874	1875	1876
BIRTHS* - - -	97418	103897	102187	106722	107992	112264	115744	111930	113499	112535	117200	121100	121394	122871	127015
DEATHS* - - -	66950	72346	77723	73460	80129	70588	74908	77933	77278	80332	70893	76634	76606	81513	77411
Excess of BIRTHS over DEATHS -	30468	31551	24464	33262	27863	41676	40836	33997	36221	32203	46307	44466	44788	41358	49604
BIRTHS - Males -	49187	53225	52207	54110	54956	57402	58838	56876	58031	57034	59861	61602	61865	62674	64920
BIRTHS - Females -	48231	50672	49980	52612	53036	54862	56906	55054	55468	55501	57339	59498	59529	60197	62095
DEATHS - Males -	34133	37024	39353	37569	40978	36276	38390	39812	39730	40685	36401	39001	39144	41917	40001
DEATHS - Females -	32817	35322	38370	35891	39151	34312	36518	38121	37548	39647	34492	37633	37462	39596	37410
DEATHS in FIVE GROUPS of DISTRICTS: —															
West - - - -	10273	11190	11972	11331	11499	11244	12066	12004	13097	12665	11197	12183	12407	13371	12895
North - - - -	13889	15673	16685	16495	17301	16138	16529	17059	17394	19295	16247	16846	17268	17970	17548
Central - - -	9854	10270	10857	9968	9770	8804	8983	9149	8748	8291	7682	8210	8118	8099	7362
East - - - -	15007	15871	17172	15881	20574	14818	16067	17506	15813	16702	15175	16702	16671	16887	15976
South - - - -	17927	19342	21037	19785	20985	19584	21263	22215	22226	23379	20592	22693	22142	25186	23630

* The births and deaths in this Table are compiled from the Weekly Returns, which embrace 364 days, and in three years 371 days; and for this reason the deaths for all the years previous to 1876 differ from the numbers in 29 Districts (see Table 16), which are, except those for 1876, derived from the returns for complete years, from 1st January to 31st December.

TABLE **13.—Annual Rate** of **Mortality,** in the 37 Years 1840–1876, in **Five Groups** of **Metropolitan Districts.**

——	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles .	122·0	16·8	21·0	3·5	9·3	71·4
Decennial Increase of Population per Cent., 1861–71	16·1	22·5	21·6	−12·8 (decrease).	11·9	25·2
Enumerated Population, 1871	3,254,260	561,359	751,729	334,369	639,111	967,692
Density: Persons to an Acre . . 1841	25	27	28	172	66	11
Density: Persons to an Acre . . 1871	42	52	56	150	107	21
YEARS.	MEAN RATE OF MORTALITY PER 1000 IN 37 YEARS.					
1840–1876 . . .	24·1	22·5	22·8	25·2	25·9	24·3
	MEANS OF 10 YEARS.					
1840–9 . . .	25·2	23·5	23·1	25·1	26·6	26·6
1850–9 . . .	23·6	22·3	22·1	24·2	24·9	24·4
1860–9 . . .	24·3	22·6	23·4	26·5	26·8	23·2
	MEANS OF 5 YEARS.					
1840–4 . . .	24·4	23·3	23·1	24·6	25·5	24·9
1845–9 . . .	25·9	23·7	23·1	25·6	27·7	28·2
1850–4 . . .	24·2	22·8	22·0	24·3	25·2	25·8
1855–9 . . .	23·1	21·9	22·1	24·1	24·6	22·9
1860–4 . . .	24·1	22·8	22·9	26·4	25·9	23·3
1865–9 . . .	24·5	22·3	23·9	26·5	27·6	23·2
1870–4 . . .	23·1	21·4	22·7	25·1	25·1	22·4
	ANNUAL RATE OF MORTALITY PER 1000.					
1840 . . .	25·0	24·1	23·9	24·5	25·7	25·9
1841 . . .	24·0	22·4	22·4	25·0	25·1	24·4
1842 . . .	23·5	22·6	22·6	23·6	24·4	23·9
1843 . . .	24·7	23·3	23·1	25·3	26·4	24·8
1844 . . .	25·0	23·9	23·3	24·4	25·9	25·6
1845 . . .	23·2	22·5	21·0	24·0	24·6	23·8
1846 . . .	23·3	21·6	21·9	22·9	24·1	24·6
1847 . . .	27·0	24·5	25·4	27·9	29·4	27·7
1848 . . .	25·8	23·6	23·4	25·3	28·7	27·2
1849 . . .	30·1	26·1	23·7	27·9	31·8	37·6
1850 . . .	21·0	19·6	19·8	21·1	21·7	21·9
1851 . . .	23·4	22·0	22·2	24·1	24·3	24·0
1852 . . .	22·6	21·5	21·2	23·9	23·3	23·0
1853 . . .	24·4	22·3	22·4	25·1	26·5	25·3
1854 . . .	29·4	28·5	24·4	27·4	30·0	34·8
1855 . . .	24·3	23·0	23·3	25·1	25·5	24·6
1856 . . .	22·1	21·5	21·1	23·0	23·3	21·8
1857 . . .	22·4	21·2	21·5	23·8	24·6	21·5
1858 . . .	23·9	22·4	22·9	24·5	25·8	24·0
1859 . . .	22·7	21·4	21·7	24·1	24·0	22·6
1860 . . .	22·5	22·2	21·2	23·3	24·1	22·1
1861 . . .	23·2	22·1	22·3	25·4	24·0	22·8
1862 . . .	23·6	22·0	22·0	26·3	26·0	22·7
1863 . . .	24·5	23·0	23·8	27·1	26·5	23·3
1864 . . .	26·5	24·6	25·4	30·0	29·0	25·4
1865 . . .	24·6	22·7	24·5	27·5	26·4	23·2
1866 . . .	26·5	22·6	25·3	27·5	34·0	24·1
1867 . . .	23·0	21·8	23·1	25·1	24·2	22·0
1868 . . .	23·6	22·3	22·9	25·6	25·6	22·9
1869 . . .	24·6	22·2	23·5	26·8	28·0	23·9
1870 . . .	24·1	23·8	23·6	26·1	25·1	23·5
1871 . . .	24·6	22·4	25·6	25·0	26·1	24·0
1872 . . .	21·5	19·6	21·2	23·6	23·6	20·9
1873 . . .	22·5	20·5	21·2	25·1	25·2	22·1
1874 . . .	22·6	20·9	21·8	25·6	25·4	21·4
1875 . . .	23·7	22·2	22·2	26·1	25·6	24·0
1876 . . .	22·3	21·0	21·4	24·0	24·0	22·1
Average Number living to One Annual Death in 37 years . . .	41	44	44	40	39	41

NOTE.—The populations upon which these rates of mortality have been calculated are deduced from the numbers enumerated at the four Censuses of 1841, 1851, 1861, and 1871. The deaths used for the 36 years 1840-75 are for the complete years, while those for 1876 are the numbers registered in the 52 weeks ending 30th December 1876; the 1875 rates have been corrected for the difference between 365·2422 days and the 364 days included by those 52 weeks.

Certain alterations affecting the West and Central groups of districts were made in the year 1868, but no corrections have been made in the results given in this Table for any year prior to 1861.

TABLE **14.**—**Deaths** REGISTERED in **London** at several groups of **Ages** from different **Causes** during the 52 Weeks ending Saturday 30th December 1876.

CAUSES OF DEATH.	Annual Average 1866-75.*	During the 52 Weeks ending Saturday 30th December 1876.							
		DEATHS of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwds.
		Mean Temp. ° 50·1	0–1.	1–5.	5–20.				
Mean Temperature	° 49·6								
ALL CAUSES	82495·0	77,411	19,893	13,080	5215	10,688	12,993	12,868	2674
SPECIFIED CAUSES	82008·7	77,221	19,782	13,068	5207	10,675	12,978	12,839	2672
I. ZYMOTIC DISEASES.									
ORDER 1.									
1. Small-pox	1555·6	735	88	125	175	269	69	9	–
2. Measles	1789·0	1741	372	1260	104	5	–	–	–
3. Scarlet Fever	2991·8	2297	133	1378	709	68	9	–	–
4. Diphtheria	405·3	359	26	194	110	17	6	5	1
5. Quinsy	46·3	42	5	13	11	5	3	4	1
6. Croup	717·1	603	85	445	73	–	–	–	–
7. Whooping-cough	2858·8	2739	1073	1567	97	2	–	–	–
8. Typhus	2073·7	163	–	13	47	49	40	14	–
— Enteric or Typhoid Fever		781	10	130	273	226	102	38	2
— Simple Continued Fever		232	13	62	71	32	33	18	3
9. Erysipelas	438·4	379	117	17	9	49	83	89	15
10. Puerperal Fever (Metria)	262·8	255	–	–	21	217	16	1	–
11. Carbuncle	43·7	40	–	–	1	5	14	18	2
12. Influenza	29·6	23	9	7	–	1	3	3	–
13. Dysentery	96·9	71	12	4	2	19	14	17	3
14. Diarrhœa	3754·6	3518	2717	479	27	28	66	159	42
15. Simple Cholera	793·8	131	80	11	6	4	15	14	1
16. Ague	17·9	12	–	1	4	6	1	–	–
17. Remittent Fever	14·2	8	–	1	3	1	2	1	–
18. Rheumatism	466·0	509	1	5	125	169	124	80	5
19. Other *Zymotic* Diseases	20·9	43	20	17	3	2	–	1	–
ORDER 2.									
1. Syphilis	468·4	436	330	25	5	41	29	6	–
2. Stricture of Urethra	65·1	89	–	–	1	16	38	32	2
3. Hydrophobia	3·6	6	–	–	1	3	1	1	–
4. Glanders	2·4	3	–	–	–	1	2	–	–
ORDER 3.									
1. Privation	23·8	27	1	1	1	2	11	11	–
2. Want of Breast-milk	548·0	519	506	13	–	–	–	–	–
3. Purpura and Scurvy	117·7	138	29	65	11	11	12	9	1
4. Alcoholism (*a* Delirium Tremens)	100·2	84	–	–	–	36	45	3	–
(*b* Intemperance)	75·6	111	–	–	–	42	53	16	–
ORDER 4.									
1. Thrush	195·2	179	173	4	–	–	1	1	–
2. Worms, &c.	14·4	12	1	3	–	3	3	2	–
II. CONSTITUTIONAL DISEASES.									
ORDER 1.									
1. Gout	123·8	144	–	–	–	10	55	77	2
2. Dropsy	644·5	429	55	35	20	43	99	153	24
3. Cancer	1798·6	1973	2	4	15	233	998	682	39
4. Cancrum Oris (Noma)	22·2	20	2	14	3	–	1	–	–
5. Mortification	194·4	155	4	1	–	5	9	95	41
ORDER 2.									
1. Scrofula	522·7	590	187	224	102	36	22	19	–
2. Tabes Mesenterica	1305·8	1456	858	487	88	17	3	3	–
3. Phthisis	9371·5	8731	145	238	860	4368	2737	380	3
4. Hydrocephalus	1537·5	1418	530	700	168	17	2	1	–
III. LOCAL DISEASES.									
ORDER 1.									
1. Cephalitis	951·8	1123	308	453	190	89	55	27	1
2. Apoplexy	2150·7	2165	100	113	48	193	720	874	117
3. Paralysis	1670·4	1437	4	9	14	107	330	813	160
4. Insanity	131·8	116	–	–	2	30	32	50	2
5. Chorea	11·2	10	–	–	7	1	–	1	1
6. Epilepsy	379·6	387	11	33	50	111	103	73	6
7. Convulsions	2858·3	2609	2049	522	32	2	2	1	1
8. *Brain Disease, &c.*	972·8	1104	74	74	79	143	289	406	39
ORDER 2.									
1. Pericarditis	143·2	113	2	10	31	25	28	17	–
2. Aneurism	155·8	186	–	–	1	69	87	28	1
3. *Heart Disease, &c.*	3820·4	3918	14	35	285	689	1296	1452	147
ORDER 3.									
1. Laryngitis	435·2	457	169	193	15	34	31	13	2
2. Bronchitis	9121·3	9231	2323	1606	122	340	1485	2891	464
3. Pleurisy	207·1	237	3	15	22	68	87	40	2
4. Pneumonia	4321·8	4210	1091	1188	238	563	681	417	32
5. Asthma	572·3	520	1	–	5	42	209	244	19
6. *Lung Disease, &c.*	871·4	960	308	167	45	86	160	159	35

* These averages have been raised rather more than 7½ per cent., to allow for increase of population between the middle of the period 1866–75, and the middle of 1876.

TABLE **14** (*Continued.*)—**Deaths** REGISTERED in **London** at several groups of **Ages** from different **Causes** during the 52 Weeks ending Saturday 30th December 1876.

CAUSES OF DEATH.	Annual Average 1866-75.*	During the 52 Weeks ending Saturday 30th December 1876. DEATHS of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwds.
		Mean Temp.	0–1.	1–5.	5–20.				
Mean Temperature	° 49·6	° 50·1							
ORDER 4.									
1. Gastritis	104·0	131	21	10	6	22	35	32	5
2. Enteritis	334·2	341	152	42	32	32	44	35	4
3. Peritonitis	307·8	298	22	13	54	92	75	38	4
4. Ascites	129·7	105	3	1	6	12	40	40	3
5. Ulceration of Intestines	159·2	139	13	9	15	36	42	23	1
6. Hernia	187·9	177	12	–	2	16	52	83	12
7. Ileus	187·6	210	24	7	14	23	55	72	15
8. Intussusception	59·5	67	20	7	8	7	12	11	2
9. Stricture of Intestines	52·1	51	–	1	–	14	20	16	–
10. Fistula	24·7	25	1	–	1	10	7	6	–
11. *Stomach Disease, &c.*	361·5	374	95	16	15	47	96	93	12
12. *Pancreas Disease, &c.*	1·4	–	–	–	–	–	–	–	–
13. Hepatitis	202·6	225	3	5	3	31	86	90	7
14. Jaundice	235·9	234	98	8	–	27	45	50	6
15. *Liver Disease, &c.*	1009·6	1148	29	13	13	193	534	347	19
16. *Spleen Disease, &c.*	17·4	27	3	6	4	8	3	3	–
ORDER 5.									
1. Nephritis	115·4	177	2	24	27	32	48	41	3
2. Ischuria	16·9	16	2	–	–	2	3	9	–
3. Bright's Disease (Nephria)	622·5	703	1	11	47	152	286	193	13
4. Diabetes	112·1	129	–	–	8	45	46	29	1
5. Calculus (Stone)	44·9	59	1	2	5	4	13	30	4
6. Cystitis	70·0	71	–	1	4	7	22	29	8
7. *Kidney Disease, &c.*	478·4	449	4	7	21	72	136	183	26
ORDER 6.									
1. Ovarian Dropsy	30·4	28	–	–	1	7	11	8	1
2. *Uterus Disease, &c.*	250·3	232	2	–	1	86	109	33	1
ORDER 7.									
1. Synovitis (Arthritis)	17·2	20	3	3	4	3	3	4	–
2. *Joint Disease, &c.*	323·1	332	6	29	145	70	52	27	3
ORDER 8.									
1. Phlegmon	141·4	190	28	15	26	54	37	26	4
2. Ulcer	61·0	71	7	2	1	8	16	32	5
3. *Skin Disease, &c.*	69·0	80	45	12	3	3	8	7	2
IV. DEVELOPMENTAL DISEASES.									
ORDER 1.									
1. Premature Birth	1219·1	1325	1325	–	–	–	–	–	–
2. Cyanosis	123·8	142	126	9	6	1	–	–	–
3. Spina Bifida	61·3	70	66	3	1	–	–	–	–
4. Other Malformations	95·4	98	94	4	–	–	–	–	–
5. Teething	837·7	681	352	329	–	–	–	–	–
ORDER 2.									
1. Paramenia	10·6	10	–	–	2	5	3	–	–
2. Childbirth (*see* Puerperal Fever)	323·7	354	–	–	13	296	45	–	–
ORDER 3.									
1. Old Age	2753·7	2399	–	–	–	–	–	1154	1245
ORDER 4.									
1. Atrophy and Debility	3741·8	3164	2518	251	22	11	71	291	–
V. VIOLENT DEATHS, &c.									
ORDER 1. (ACCIDENT or NEGLIGENCE.)									
1. Fractures and Contusions	978·3	1020	31	80	135	250	302	183	39
2. Wounds – Gunshot	36·6	3	–	–	2	1	–	–	–
2. Wounds – Cut, Stab		32	2	3	5	11	6	4	1
3. Burns and Scalds	295·4	240	16	111	49	11	15	32	6
4. Poison	51·7	76	7	12	3	18	28	8	–
5. Drowning	353·3	343	3	16	115	126	65	18	–
6. Suffocation	500·7	559	488	22	8	14	15	11	1
7. Otherwise	145·0	157	49	11	25	28	30	13	1
ORDER 3. (HOMICIDE.)									
1. Murder and Manslaughter	117·8	96	64	4	–	16	8	3	1
ORDER 4. (SUICIDE.)									
1. Wounds – Gunshot	17·1	17	–	–	2	7	7	1	–
1. Wounds – Cut, Stab	70·1	66	–	–	–	24	26	16	–
2. Poison	49·2	57	–	–	3	21	28	5	–
3. Drowning	62·4	68	–	–	6	22	29	11	–
4. Hanging	74·6	67	–	–	5	22	25	15	–
5. Otherwise	27·3	23	–	–	–	8	9	6	–
ORDER 5. (EXECUTION.)									
1. Hanging	1·6	7	–	–	–	6	1	–	–
Violent Deaths (not classed)	42·9	54	3	8	7	12	13	10	1
Sudden Deaths (Cause unascertained)	63·9	19	7	–	–	3	3	6	–
Causes not specified or ill-defined	422·4	171	104	12	8	10	12	23	2

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

* These averages have been raised rather more than 7½ per cent., to allow for increase of population between the middle of the period 1866-75, and the middle of 1876.

TABLE **15.—Causes** of **Deaths** REGISTERED in **London** in each of the 10 Years 1866–1875; **Average** 1866–1875; and **Deaths** REGISTERED in 1876 and in each Quarter of 1876.

Class.														1876.			
	MEAN TEMPERATURE –	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	49°·6	50°·1	QUARTER ENDING			
	YEARS – – – –	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	Annual Average 1866–75†	1876	Apr. 1	July 1	Sept. 30	Dec. 30
	CAUSES OF DEATH.	364 Days.	364 Days.	371 Days	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	365·4 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
	ALL CAUSES – –	80129	70588	74908	77933	77278	80332	70893	76634	76606	81513	82495·0	77411	21468	18218	18926	18799
	SPECIFIED CAUSES –	79446	69757	74234	77406	76831	80009	70639	76355	76347	81270	82008·7	77221	21424	18164	18870	18763
	(CLASSES.)																
I.	ZYMOTIC DISEASES	23680	15027	18893	20885	20034	22878	16236	15203	15453	17559	19993·8	16285	4011	3400	5487	3387
II.	CONSTITUTIONAL ,,	14864	14063	14621	14442	14437	14022	13891	14378	14338	15216	15521·0	14916	3772	3873	3744	3527
III.	LOCAL ,,	29755	29206	29338	31334	31270	32071	29921	35343	35255	37220	34502·8	34892	10685	8327	6705	9175
IV.	DEVELOPMENTAL ,,	8604	8912	8815	8397	8514	8444	7983	8588	8531	8423	9167·1	8243	2216	1893	2169	1965
V.	VIOLENT DEATHS –	2543	2549	2567	2348	2576	2594	2608	2843	2770	2852	2824·0	2885	740	671	765	709
	(ORDERS.)																
I.	1. MIASMATIC DISEASES –	22203	13566	17323	19425	18611	21518	14750	13683	13893	15842	18376·4	14681	3657	3047	4998	2979
	2. ENTHETIC ,, –	457	480	529	549	517	417	510	503	504	549	539·5	534	126	124	144	140
	3. DIETIC ,, –	836	726	807	710	726	778	819	832	868	969	868·3	879	192	191	269	227
	4. PARASITIC ,, –	184	255	234	201	180	165	157	185	188	199	209·6	191	36	38	76	41
II.	1. DIATHETIC ,, –	2466	2398	2522	2527	2665	2506	2531	2666	2851	2741	2783·5	2721	679	694	679	669
	2. TUBERCULAR ,, –	12398	11665	12099	11915	11772	11516	11360	11712	11487	12475	12737·5	12195	3093	3179	3065	2858
III.	1. DISEASES OF NERVOUS SYSTEM – –	8272	8211	8489	8467	8647	8454	7855	8413	8831	9195	9126·6	8951	2416	2264	2120	2151
	2. ,, OF ORGANS OF CIRCULATION –	3496	3258	3558	3633	3649	3953	3802	4227	4297	4418	4119·4	4217	1229	1002	913	1073
	3. ,, OF RESPIRATORY ORGANS – –	13230	12907	12182	14121	13906	14500	12985	16912	16112	17492	15529·1	15615	5542	3562	2098	4413
	4. ,, OF DIGESTIVE ORGANS – –	2916	2879	3031	2961	3033	3047	3131	3416	3464	3495	3375·1	3552	855	884	957	856
	5. ,, OF URINARY ORGANS – –	1131	1241	1197	1363	1294	1310	1331	1472	1595	1639	1460·2	1604	403	376	392	433
	6. ,, OF ORGANS OF GENERATION –	260	220	295	265	235	230	259	278	284	283	280·7	260	59	63	72	66
	7. ,, OF ORGANS OF LOCOMOTION –	241	305	331	300	274	347	335	337	320	373	340·3	352	83	90	85	94
	8. ,, OF INTEGUMENTARY SYSTEM –	209	185	255	224	232	230	223	288	352	325	271·4	341	98	86	68	89
IV.	1. DEV. DIS. OF CHILDREN	2207	2230	2193	2118	2099	2205	2057	2100	2174	2343	2337·3	2316	651	542	574	549
	2. ,, OF ADULTS –	328	306	284	270	316	325	260	331	349	338	334·3	364	83	86	103	92
	3. ,, OF OLD PEOPLE	2574	2609	2544	2587	2743	2643	2295	2661	2479	2462	2753·7	2399	706	554	528	611
	4. DISEASES OF NUTRITION	3495	3767	3794	3422	3356	3271	3371	3496	3529	3280	3741·8	3164	776	711	964	713
V.	1. ACCIDENT OR NEGLIGENCE – – –	2137	2148	2126	1914	2153	2138	2169	2373	2360	2428	2361·0	2430	610	563	664	593
	3. HOMICIDE – – –	138	104	112	110	106	109	125	124	97	70	117·8	96	31	24	20	21
	4. SUICIDE – – –	258	260	294	302	273	300	268	287	255	298	300·7	298	83	69	69	77
	5. EXECUTION – – –	1	3	2	1	2	..	1	..	3	2	1·6	7	..	4	1	2
	VIOLENT DEATHS NOT CLASSED – – –	9	34	33	21	42	47	45	59	55	54	42·9	54	16	11	11	16
	SUDDEN DEATHS, CAUSE UNASCERTAINED – – – –	131	85	60	53	79	40	24	38	36	48	63·9	19	5		6	1
	CAUSES NOT SPECIFIED – –	552	746	614	474	368	283	230	241	223	195	422·4	171	39	47	50	35

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† These averages have been raised rather more than 7½ per cent. to allow for increase of population between the middle of the period 1866-75, and the middle of 1876.

TABLE **15** (*continued*).—**Causes** of **Deaths** REGISTERED in **London** in each of the 10 Years

Class.													1876.			
	MEAN TEMPERATURE	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	49°·6	50°·1	QUARTER ENDING			
	YEARS	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	Annual Average 1866-75.*	1876	Apr. 1	July 1	Sept. 30	Dec. 30
	CAUSES OF DEATH.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	365·4 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
I.	ORDER 1.																
	1. Small-pox	1388	1332	606	273	958	7876	1781	115	56	75	1555·6	735	7	26	110	592
	2. Measles	2259	1125	1989	1425	1443	1431	1680	2195	1655	1427	1789·0	1741	667	561	225	288
	3. Scarlet Fever (Scarlatina)	1885	1438	2921	5803	5998	1896	904	652	2662	3651	2991·8	2297	636	487	573	601
	4. Diphtheria	431	398	497	343	313	313	255	306	365	546	405·3	359	88	93	85	93
	5. Quinsy	70	44	32	33	24	29	29	44	63	62	46·3	42	11	10	11	10
	6. Croup	716	723	717	582	592	528	616	719	751	722	717·1	603	200	166	112	125
	7. Whooping-cough	2933	2251	2369	3755	1935	2299	3249	2689	1861	3232	2858·8	2739	1229	880	356	274
	8. Typhus Fever	2681	2174	2483	724	468	398	175	284	312	128	2073·7	163	38	44	44	37
	Enteric or Typhoid Fever				1055	976	885	824	921	883	842		781	172	149	173	287
	Simple continued Fever				635	609	463	341	344	359	312		232	58	70	47	57
	9. Erysipelas	310	264	427	332	447	494	386	424	558	433	438·4	379	93	96	85	105
	10. Puerperal Fever (Metria)	153	157	219	198	217	182	251	306	456	304	262·8	255	73	59	53	70
	11. Carbuncle	55	44	51	53	25	28	38	38	36	38	43·7	40	18	12	6	4
	12. Influenza	37	34	26	39	30	35	21	16	16	21	29·6	23	13	2	1	7
	13. Dysentery	148	85	90	94	87	85	79	83	72	78	96·9	71	15	23	22	11
	14. Diarrhœa	3184	2942	4060	3400	3776	3894	3490	3879	3077	3198	3754·6	3518	184	231	2842	261
	15. Cholera	5577	241	320	217	235	221	175	164	122	107	793·8	131	4	9	117	1
	16. Ague	7	13	17	23	14	19	12	17	26	18	17·9	12	3	4	1	4
	17. Remittent Fever	30	3	8	16	10	9	18	15	15	8	14·2	8	3	1	2	2
	18. Rheumatism	327	290	474	403	429	408	408	453	526	614	466·0	509	131	112	124	142
	19. Other *Zymotic* Diseases	12	8	17	22	25	25	18	19	22	26	20·9	43	14	12	9	8
	ORDER 2.																
	1. Syphilis	408	423	473	466	463	356	435	436	423	471	468·4	436	101	96	124	115
	2. Stricture of Urethra	36	52	52	78	51	59	72	63	70	72	65·1	89	22	27	19	21
	3. Hydrophobia	11	3	..	3	..	1	..	1	9	6	3·6	6	1	..	1	4
	4. Glanders	2	2	4	2	3	1	3	3	2	..	2·4	3	2	1	..	..
	ORDER 3.																
	1. Privation	26	39	36	20	27	20	14	20	15	32	26·8	27	7	3	5	12
	2. Want of Breast Milk	514	431	507	442	479	455	525	539	592	610	548·0	519	115	94	176	134
	3. Purpura and Scurvy	91	100	95	83	104	152	118	120	110	121	117·7	138	33	46	26	33
	4. Alcoholism { *a* Del. Tremens	113	98	110	118	70	89	86	79	71	97	100·2	84	19	26	25	14
	{ *b* Intemperance	92	58	59	47	46	62	76	74	80	109	75·6	111	18	22	37	34
	ORDER 4.																
	1. Thrush	177	242	228	187	173	146	137	168	171	185	195·2	179	35	36	73	35
	2. Worms, &c.	7	13	6	14	7	19	20	17	17	14	14·4	12	1	2	3	6
II.	ORDER 1.																
	1. Gout	73	96	115	105	109	123	126	121	143	140	123·8	144	49	34	37	24
	2. Dropsy	765	630	638	656	656	566	516	542	574	448	644·5	429	111	114	95	109
	3. Cancer	1417	1464	1580	1584	1677	1611	1712	1793	1929	1951	1798·6	1973	471	507	505	490
	4. Cancrum Oris (Noma)	17	39	23	19	17	19	22	16	17	17	22·2	20	6	5	4	5
	5. Mortification	194	169	166	163	203	187	155	194	188	185	194·4	155	42	34	38	41
	ORDER 2.																
	1. Scrofula	475	410	407	388	429	473	464	576	583	654	522·7	590	135	163	159	133
	2. Tabes Mesenterica	1155	1115	1190	1207	1131	1178	1180	1214	1195	1573	1305·8	1456	277	337	532	310
	3. Phthisis	9277	8817	9021	8788	8773	8473	8366	8544	8255	8797	9371·5	8731	2294	2256	2048	2133
	4. Hydrocephalus	1491	1323	1481	1532	1439	1392	1350	1378	1454	1451	1537·5	1418	387	423	326	282
III.	ORDER 1.																
	1. Cephalitis	705	745	867	850	910	855	928	931	959	1097	951·8	1123	271	343	275	234
	2. Apoplexy	1809	1815	1763	1794	2056	2113	2014	2170	2262	2195	2150·7	2165	597	534	492	542
	3. Paralysis	1560	1532	1550	1548	1600	1490	1392	1602	1636	1617	1670·4	1437	402	358	333	344
	4. Insanity	116	139	116	107	110	114	115	118	159	131	131·8	116	28	33	29	26
	5. Chorea	7	7	7	18	15	12	10	11	4	13	11·2	10	3	3	1	3
	6. Epilepsy	371	329	355	353	344	285	335	367	372	418	379·6	387	102	96	99	90
	7. Convulsions	2787	2768	2867	2967	2742	2735	2253	2322	2533	2595	2858·3	2609	715	623	625	646
	8. *Brain Disease, &c.*	917	876	964	830	870	850	808	892	906	1129	972·8	1104	298	274	266	266
	ORDER 2.																
	1. Pericarditis	106	118	136	134	122	133	134	136	165	147	143·2	113	35	24	24	30
	2. Aneurism	100	137	147	139	157	142	152	157	159	158	155·8	186	46	46	36	58
	3. *Heart Disease, &c.*	3290	3003	3275	3360	3370	3678	3516	3934	3973	4113	3820·4	3918	1148	932	853	985
	ORDER 3.																
	1. Laryngitis	314	323	343	397	421	388	395	456	486	492	435·2	457	174	128	65	90
	2. Bronchitis	7512	7501	6688	8059	8234	8806	7542	10259	9583	10601	9121·3	9231	3528	1947	1050	2706
	3. Pleurisy	123	154	187	171	156	156	208	232	267	271	207·1	237	59	66	57	55
	4. Pneumonia	4168	3627	3800	4217	3762	3776	3681	4291	4298	4552	4321·8	4210	1244	1100	683	1183
	5. Asthma	430	601	439	555	529	564	383	694	549	576	572·3	520	233	102	61	124
	6. *Lung Disease, &c.*	683	701	725	722	804	810	776	950	929	1000	871·4	960	304	219	182	255
	ORDER 4.																
	1. Gastritis	92	82	93	86	98	96	94	95	119	112	104·0	131	29	29	45	28
	2. Enteritis	277	286	313	322	278	290	270	351	340	379	334·2	341	81	64	115	81
	3. Peritonitis	237	218	299	245	278	278	289	356	365	296	307·8	298	67	82	69	80
	4. Ascites	141	143	106	116	128	125	124	112	121	90	129·7	105	17	24	32	32
	5. Ulceration of Intestines	116	125	142	136	173	169	151	174	147	147	159·2	139	32	38	30	39
	6. Hernia	155	159	169	161	176	171	172	175	199	210	187·9	177	53	40	37	47
	7. Ileus	152	182	163	150	166	189	172	210	185	175	187·6	210	57	59	51	43
	8. Intussusception	49	57	42	54	50	56	61	50	73	61	59·5	67	13	22	12	20

* *See* note † on page xxi.

1866–1875; **Averages** 1866–1875; and **Deaths** REGISTERED in 1876 and in each Quarter of 1876.

Class.													1876.			
													QUARTER ENDING			
	MEAN TEMPERATURE	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	49°·6	50°·1				
	YEARS	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	Annual Average 1865-74.*	1876	Apr. 1	July 1	Sept. 30	Dec. 30
	CAUSES OF DEATH.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	365·4 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
III. *cont.*	ORDER 4.—*continued.*																
	9. Stricture of Intestines	48	35	45	45	36	58	58	45	48	66	52·1	51	14	18	9	10
	10. Fistula	19	22	20	18	19	25	26	39	23	19	24·7	25	5	8	7	5
	11. *Stomach Disease, &c.*	319	314	330	308	356	313	334	371	361	354	361·5	374	84	87	116	87
	12. *Pancreas Disease, &c.*	2	1	3	2	1	..	1	1	1	1	1·4	..	..	..	..	..
	13. Hepatitis	214	185	171	166	178	164	169	202	203	231	202·6	225	52	47	65	61
	14. Jaundice	189	203	238	225	204	225	245	223	215	226	235·9	234	57	54	66	57
	15. *Liver Disease, &c.*	882	842	883	915	878	872	954	1001	1050	1107	1009·6	1148	288	303	297	260
	16. *Spleen Disease, &c.*	24	25	14	12	14	16	11	11	14	21	17·4	27	6	9	6	6
	ORDER 5.																
	1. Nephritis	51	60	87	106	124	114	91	111	165	164	115·4	177	38	44	43	52
	2. Ischuria	21	17	15	15	14	8	24	14	15	14	16·9	16	11	2	2	1
	3. Bright's Dis. (Nephria)	451	518	436	608	543	494	644	642	709	741	622·5	703	173	158	168	204
	4. Diabetes	84	84	93	93	104	110	105	130	124	115	112·1	129	34	32	32	31
	5. Calculus (Stone)	43	41	45	38	32	44	42	48	43	41	44·9	59	13	14	9	23
	6. Cystitis	61	57	71	55	55	68	60	72	72	80	70·0	71	22	13	18	18
	7. *Kidney Disease, &c.*	420	464	450	448	422	472	365	455	467	484	478·4	449	112	113	120	104
	ORDER 6.																
	1. Ovarian Dropsy	23	41	41	38	24	24	20	32	20	20	30·4	28	4	7	11	6
	2. *Uterus Disease, &c.*	237	179	254	227	211	206	239	246	264	263	250·3	232	55	56	61	60
	ORDER 7.																
	1. Synovitis (Arthritis)	10	7	9	14	19	20	15	19	20	27	17·2	20	5	6	4	5
	2. *Joint Disease, &c.*	231	298	322	286	255	327	320	318	300	346	323·1	332	78	84	81	89
	ORDER 8.																
	1. Phlegmon	75	85	132	113	127	126	107	154	214	182	141·4	190	58	49	39	44
	2. Ulcer	67	50	56	56	48	44	54	55	74	63	61·0	71	20	12	12	27
	3. *Skin Disease, &c.*	67	50	67	55	57	60	62	79	64	80	69·0	80	20	25	17	18
IV.	ORDER 1.																
	1. Premature Birth	1112	1105	1105	1010	1060	1155	1171	1158	1201	1255	1219·1	1325	330	276	353	366
	2. Cyanosis	107	112	118	92	103	100	127	126	127	139	123·8	142	41	28	36	37
	3. Spina Bifida	55	56	48	65	57	60	52	64	52	61	61·3	70	19	21	18	12
	4. Other Malformations	85	98	88	69	97	87	76	92	81	114	95·4	98	24	36	19	19
	5. Teething	848	859	834	882	782	803	631	660	713	774	837·7	681	237	181	148	115
	ORDER 2.																
	1. Paramenia	12	9	9	11	10	7	7	5	14	14	10·6	10	1	2	3	4
	2. Childbirth (*see* Puerperal Fever)	316	297	275	259	306	318	253	326	335	324	323·7	354	82	84	100	88
	ORDER 3.																
	1. Old Age	2574	2609	2544	2587	2743	2643	2295	2661	2479	2462	2753·7	2399	706	554	528	611
	ORDER 4.																
	1. Atrophy and Debility	3495	3767	3794	3422	3356	3271	3371	3496	3529	3280	3741·8	3164	776	711	964	713
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																
	1. Fractures and Contusions	915	845	871	774	941	909	893	977	964	1004	978·3	1020	253	235	297	235
	2. Wounds { Gunshot							2	4	7	2	26·6	3	1	1	1	..
	2. Wounds { Cut, Stab	28	22	20	21	44	38	36	29	46	41		32	8	7	10	7
	3. Burns and Scalds	296	302	287	263	275	261	239	279	274	270	295·4	240	83	44	33	80
	4. Poison	49	55	44	44	52	45	43	45	58	46	51·7	76	21	22	22	11
	5. Drowning	333	335	339	297	279	300	339	363	324	375	353·3	343	45	89	148	61
	6. Suffocation	408	457	386	388	400	490	496	534	540	555	500·7	559	166	139	102	152
	7. Otherwise	108	132	179	127	162	95	121	142	147	135	145·0	157	33	26	51	47
	ORDER 3. (HOMICIDE.)																
	1. Murder and Manslaughter	138	104	112	110	106	109	125	124	97	70	117·8	96	31	24	20	21
	ORDER 4. (SUICIDE.)																
	1. Wounds { Gunshot	15	15	16	10	16	21	17	17	21	11	17·1	17	6	5	4	2
	1. Wounds { Cut, Stab	63	59	50	75	62	72	64	72	58	77	70·1	66	17	15	13	21
	2. Poison	52	45	46	54	51	52	44	41	28	44	49·2	57	13	9	18	17
	3. Drowning	33	46	72	69	56	69	57	62	59	57	62·4	68	19	16	15	18
	4. Hanging	77	58	79	74	57	63	64	76	64	81	74·6	67	22	18	16	11
	5. Otherwise	18	37	31	20	31	23	22	19	25	28	27·3	23	6	6	3	8
	ORDER 5. (EXECUTION.)																
	1. Hanging	1	3	2	1	2	..	1	..	3	2	1·6	7	..	4	1	2
	Violent Deaths (not classed)	9	34	33	21	42	47	45	59	55	54	42·9	54	16	11	11	16
	Sudden Deaths (cause unascertained)	131	85	60	53	79	40	24	38	36	48	63·9	19	5	7	6	1
	Causes not specified or ill-defined	552	746	614	474	368	283	230	241	223	195	422·4	171	39	47	50	35

NOTE.—Cases of "infantile fever" are classed with those of "enteric or typhoid fever;" "relapsing," and other continued fevers, under "simple continued fever;" "rheumatic fever" is classed with "rheumatism." As "stricture of the urethra" is almost invariably the result of gonorrhœa, it is classed among enthetic diseases. Cases of "hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (Class V.; 1; 7.) Where a person is "found drowned" the coroners do not always succeed in discovering whether the case is a suicide, a murder, or an accident; such cases are classed under "accident or negligence."

* *See* note † on page xxi.

TABLE **16.—Deaths** REGISTERED in the **London Districts**, and the **Mean Temperature**, in each of the 11 Years 1866–1876.

DISTRICTS.	AREA in Acres.*	DENSITY, Persons to an Acre, 1871.	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876 (52 weeks.)
Mean Temperature - - -	—	—	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	50°·1
LONDON - -	78,080	42	80,453	70,924	73,798	78,082	77,634	80,430	71,355	75,459	76,813	81,964	77,411
1 KENSINGTON - - -	3441	63	3668	3837	3962	4056	4427	4286	3993	4371	4677	4808	4863
1a FULHAM - - - -	4209	16	1169	1230	1336	1397	1579	1446	1405	1479	1660	1875	1963
2 CHELSEA - - - -	861	83	1717	1568	1789	1772	1927	1877	1640	1686	1802	1923	1746
3 ST. GEO. HANOVER SQ. -	2051	76	3808	3612	3672	3620	3963	3928	3244	3339	3310	3759	3357
4 WESTMINSTER - - -	216	237	1178	1086	1092	1180	1252	1127	1002	1101	1004	1079	966
5 MARYLEBONE - - -	1506	106	4146	4125	3863	3984	3945	3852	3704	3668	3884	3991	3612
6 HAMPSTEAD - - -	2248	14	396	411	400	459	550	1636	687	541	563	652	697
7 PANCRAS - - - -	2672	83	5268	4851	4888	5067	5407	5456	4919	5206	5057	5434	5183
8 ISLINGTON - - - -	3107	69	5154	4509	4886	4937	5078	5048	4196	4456	4816	4833	4957
9 HACKNEY - - - - -	3935	32	2405	2268	2247	2650	2476	3327	2814	2725	3009	3145	3099
10 ST. GILES - - - -	245	219	1505	1435	1345	1459	1421	1269	1198	1150	1213	1217	1102
11 STRAND - - - -	433	95	1320	1170	1253	1210	1263	1149	1041	1208	1081	1097	995
12 HOLBORN - - - -	816	200	4428	3985	4042	4201	4062	3878	3686	3918	3925	3963	3632
13 LONDON CITY - - -	731	104	2558	2253	2232	2316	2058	2018	1825	1814	1906	1885	1633
14 SHOREDITCH - - - -	648	196	3436	2973	3242	3462	3210	3410	2959	3052	2989	3296	2816
15 BETHNAL GREEN - - -	755	159	3840	2778	2985	3252	2850	3029	2690	3066	3033	3114	2823
16 WHITECHAPEL - - -	405	190	3525	2350	2519	2627	2471	2469	2411	2424	2637	2483	2348
17 ST. GEO.-IN-THE-EAST -	244	197	1881	1238	1238	1408	1273	1392	1083	1259	1292	1191	1146
18 STEPNEY - - - -	569	101	1850	1176	1334	1492	1256	1266	1089	1272	1245	1344	1258
19 MILE END OLD TOWN -	679	137	2438	1884	1934	2245	1993	2229	1944	2110	2104	2137	2217
20 POPLAR - - - - -	2648	44	3706	2476	2575	3050	2838	2942	3089	3259	3435	3430	3368
21 ST. SAVIOUR SOUTHWARK -	1170	150	4724	4185	4270	4793	4379	4672	3850	4298	4252	4689	4062
22 ST. OLAVE SOUTHWARK -	1725	71	3167	2982	3127	3703	3220	3519	3088	3495	3198	3825	3391
23 LAMBETH - - - -	4059	51	4190	4061	4386	4371	4615	5475	4713	5025	4851	5647	5181
24 WANDSWORTH - - -	11740	11	2088	1951	2152	2390	2674	2877	2426	2545	2796	3112	3154
25 CAMBERWELL - - -	4450	25	2056	2065	2262	2361	2377	2350	2340	2431	2487	3024	2752
26 GREENWICH - - - -	3800	26	2494	2266	2409	2438	2491	2241	2103	2311	2212	2539	2425
27 LEWISHAM - - - -	11436	5	782	691	773	794	894	817	825	818	899	965	972
28 WOOLWICH - - - -	7281	10	1561	1508	1585	1388	1685	1445	1391	1432	1476	1507	1693

NOTE. — The Deaths in this Table are compiled from the Abstracts which appear in the Registrar General's Annual Reports, excepting for the year 1876, in which the Deaths are derived from the Weekly Returns embracing 52 weeks.

* These areas have recently been supplied to the Registrar General by the Ordnance Survey Department, and include 2718 acres of tidal water, or river Thames. For area of the Greater London see Table 6.

TABLE **17.** LONDON.—**Births** and **Deaths**; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards from ALL CAUSES; and DEATHS from the principal ZYMOTIC DISEASES and from VIOLENCE, INQUEST CASES, and DEATHS in PUBLIC INSTITUTIONS, in GROUPS of DISTRICTS, and in each METROPOLITAN DISTRICT during the 52 Weeks ending Saturday, 30th December 1876.

REGISTRARS' SUB-DISTRICTS.	Enumerated **Population**, 1871.	Total BIRTHS in 52 Weeks.	Total DEATHS in 52 Weeks.	The DEATHS registered in the 52 Weeks include														
				Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.		
LONDON - -	3,254,260	127015	77411	19893	15542	735	1741	2297	359	2739	163	781	232	3518	131	2885	5279	13925
WEST DISTRICTS -	561,359	18799	12895	3214	2729	26	389	312	53	419	20	132	30	578	31	466	893	2241
NORTH DISTRICTS -	751,729	29005	17548	4431	3817	333	339	459	119	695	56	221	29	831	38	569	1121	3229
CENTRAL DISTRICTS -	334,369	10174	7362	1706	1308	7	163	125	31	198	9	55	17	280	-	349	682	1619
EAST DISTRICTS - -	639,111	27193	15976	4365	3014	64	278	474	43	597	38	144	76	815	26	728	1430	3240
SOUTH DISTRICTS -	967,692	41844	23630	6177	4674	305	572	927	113	830	40	229	80	1014	36	773	1153	3596
WEST DISTRICTS.																		
1. KENSINGTON - - -	217112	7404	4863	1183	1041	10	217	96	25	189	7	46	8	203	10	166	325	693
1a. FULHAM - - -	66041	3315	1963	584	377	3	67	98	9	47	4	18	6	131	12	64	134	153
2. CHELSEA - - -	70738	2562	1746	532	360	4	18	46	8	46	5	11	4	101	2	52	127	273
3. ST. GEO. HANOVER SQ.	156287	4131	3357	684	753	8	56	46	8	99	3	52	10	106	4	160	252	947
4. WESTMINSTER - -	51181	1387	966	231	198	1	31	26	3	38	1	5	2	37	3	24	55	175
NORTH DISTRICTS.																		
5. MARYLEBONE - -	159254	5082	3612	839	888	7	77	57	15	155	3	35	6	147	2	119	217	853
6. HAMPSTEAD - - -	32281	950	697	117	177	63	26	18	8	26	-	6	1	25	-	23	36	180
7. PANCRAS - - -	221465	8317	5183	1285	1106	8	117	130	38	198	5	55	7	233	6	233	458	1119
8. ISLINGTON - - -	213778	9187	4957	1410	1008	66	100	168	36	185	12	61	9	284	20	101	239	479
9. HACKNEY - - -	124951	5469	3099	780	638	189	19	86	22	131	36	64	6	142	10	93	171	598
CENTRAL DISTRICTS.																		
10. ST. GILES - - -	53556	1633	1102	299	225	2	24	27	2	31	1	11	2	55	-	33	98	168
11. STRAND - - - -	41339	1015	995	213	149	1	8	13	3	23	-	6	4	40	-	73	111	292
12. HOLBORN - - -	163491	6025	3632	944	619	4	112	65	15	117	4	20	4	153	-	94	275	569
13. LONDON CITY - -	75983	1501	1633	250	315	-	19	20	11	27	4	18	7	32	-	149	198	590
EAST DISTRICTS.																		
14. SHOREDITCH - - -	127164	5227	2816	777	651	2	19	72	6	128	5	25	11	147	6	62	141	516
15. BETHNAL GREEN - -	120104	5299	2823	873	531	9	40	88	8	120	11	21	22	114	3	128	293	446
16. WHITECHAPEL - -	76573	2754	2348	452	394	8	16	14	4	57	2	20	4	105	3	231	362	1061
17. ST. GEO.-IN-THE-EAST	48052	1813	1146	351	221	1	45	7	3	59	3	14	7	83	-	24	67	249
18. STEPNEY - - -	57690	2197	1258	384	167	4	37	43	5	37	4	10	7	75	3	76	124	49
19. MILE END OLD TOWN	93152	4017	2217	655	458	12	47	114	7	91	6	21	9	130	5	54	166	208
20. POPLAR - - - -	116376	5886	3368	873	592	28	74	136	10	105	7	33	16	161	6	153	277	711
SOUTH DISTRICTS.																		
21. ST. SAVIOUR SOUTHWARK	175049	7382	4062	1142	784	24	82	110	20	165	5	30	21	175	6	92	186	540
22. ST. OLAVE SOUTHWARK	122398	5404	3391	797	516	12	64	124	9	101	9	29	2	150	11	206	261	821
23. LAMBETH - - -	208342	8877	5181	1336	1007	215	89	187	27	174	10	63	19	220	1	174	266	1039
24. WANDSWORTH - -	125060	6005	3154	905	651	26	89	88	15	128	8	31	8	150	4	90	144	280
25. CAMBERWELL - -	111306	5276	2752	753	659	22	35	75	18	95	3	25	19	109	8	58	79	332
26. GREENWICH - - -	100600	4174	2425	628	503	3	107	89	11	64	2	28	7	113	3	77	116	329
27. LEWISHAM - - -	51557	1973	972	246	244	1	31	38	8	32	-	12	1	35	1	22	21	62
28. WOOLWICH - - -	73380	2753	1693	370	310	2	75	216	5	71	3	11	3	62	2	54	80	193

TABLE **17** (*continued*). LONDON.—TOTAL **Births** and **Deaths**; DEATHS of INFANTS under 1 Year of Age; FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, CHOLERA, and VIOLENCE; also DEATHS in PUBLIC

REGISTRARS' SUB-DISTRICTS.	Enumerated **Population**, 1871.	Total BIRTHS in 52 Weeks.	Total DEATHS in 52 Weeks.	The DEATHS registered in the 52 Weeks include														
				Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.*
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.		
WEST DISTRICTS.																		
St. Mary Paddington *WH*	58728	2177	1277	318	284	1	73	28	7	49	4	9	2	57	1	39	71	138
St. John Paddington *H*	38085	728	690	94	174	1	16	9	1	16	-	10	-	20	3	75	88	217
Kensington Town *W*	91645	3666	2276	636	483	8	112	42	13	114	3	25	6	110	6	40	132	225
Brompton *H*	28654	833	620	135	100	-	16	17	4	10	-	2	-	16	-	12	34	113
St. Peter Hammersmith	6662	215	123	27	32	-	-	3	-	1	-	1	-	10	1	9	14	-
St. Paul Hammersmith *H*	36029	1839	1028	307	266	3	44	22	7	38	2	4	3	68	7	39	68	52
Fulham *WH*	23350	1261	812	250	139	-	23	73	2	8	2	13	3	55	4	16	52	101
Chelsea South *HHH*	26420	880	555	179	112	2	5	11	3	11	1	3	-	33	-	16	45	10
Chelsea North-west *WHHH*	22926	896	744	197	169	2	3	24	5	11	4	4	-	32	-	20	42	257
Chelsea North-east	21392	786	447	156	79	-	10	11	-	24	-	4	4	36	2	16	40	-
Hanover Square *H*	18698	326	254	59	71	-	3	3	-	9	-	3	1	3	1	8	17	-
Mayfair *WW*	13358	282	285	29	115	-	9	1	-	10	-	1	-	5	-	12	18	166
Belgrave *HH*	57972	1566	1329	240	269	2	9	18	3	26	-	26	2	39	-	88	113	407
St. John Westminster *HH*	38478	1252	708	219	111	1	11	19	2	30	2	9	2	41	2	15	49	36
St. Margt. Westmr. *WWH*	27781	705	781	137	187	5	24	5	3	24	1	13	5	18	1	37	55	338
Golden Square *WH*	12860	363	303	47	100	-	10	6	-	6	-	1	1	5	-	8	20	128
Berwick Street † *H*	20759	476	314	95	50	1	12	7	2	9	-	2	-	13	1	9	17	-
St. Anne Soho *HHHHH*	17562	548	349	89	48	-	9	13	1	23	1	2	1	19	2	7	18	47
NORTH DISTRICTS.																		
AllSouls(Marylebo.)*HHHHH*	28579	796	761	121	126	-	5	11	7	27	-	14	1	20	-	43	66	308
Cavendish Square *HH*	15425	305	201	43	54	1	4	-	1	6	-	2	-	7	1	4	9	77
Rectory (Marylebone) *WH*	26384	880	965	162	361	2	19	9	1	28	2	3	3	31	-	18	50	476
St. Mary(Marylebone) *HHH*	21786	1034	442	136	94	-	3	12	-	18	-	2	-	15	-	6	15	55
Christchurch (Marylebone) *H*	33944	1073	653	208	126	2	19	14	3	38	1	9	-	43	-	23	44	3
St. John (Marylebone) *H*	33136	994	590	169	127	2	27	11	3	38	-	5	2	31	1	25	33	4
Hampstead *WwHHL*	32281	950	697	117	177	63	26	18	8	26	-	6	1	25	-	23	36	180
Regent's Park *H*	38200	1284	625	187	146	1	8	20	1	19	1	10	2	41	-	25	46	4
Tottenham Court *wHHH*	29370	898	942	150	171	-	12	20	10	32	-	12	1	22	-	60	85	454
Gray's Inn Lane *HH*	29221	984	659	161	114	1	28	21	2	17	2	5	-	34	2	45	84	114
Somers Town	38533	1319	727	214	125	-	25	42	3	27	2	9	1	47	2	19	56	-
Camden Town *W*	17943	842	626	138	256	1	25	6	1	22	-	2	1	11	-	46	100	329
Kentish Town *w*	68198	2990	1604	435	294	5	19	21	21	81	-	17	2	78	2	38	87	218
Islington West *HHH*	97820	4106	2201	641	358	59	55	100	19	98	8	30	1	124	2	59	129	138
Islington East *WwwH*	115958	5081	2756	769	650	7	45	68	17	87	4	31	8	160	18	42	110	341
Stoke Newington *H*	9841	564	246	69	62	2	2	2	3	13	-	6	1	7	-	2	4	5
Stamford Hill	6598	222	131	27	37	1	-	1	-	14	-	-	2	3	3	15	20	-
West Hackney	28069	1234	549	175	114	3	2	8	4	34	3	5	1	41	2	14	32	-
Hackney *WwwHL*	50104	2108	1548	313	318	163	10	57	12	42	32	45	2	50	4	43	82	593
South Hackney	30339	1341	625	196	107	20	5	18	3	28	1	8	-	41	1	19	33	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury	17853	436	300	80	72	2	5	14	-	11	1	2	-	14	-	9	16	-
St. Giles South *WH*	19109	731	513	132	111	-	6	3	2	12	-	6	1	26	-	15	60	168
St. Giles North	16594	466	289	87	42	-	13	10	-	8	-	3	1	15	-	9	22	-
Long Acre	11379	355	202	64	33	1	5	3	-	9	-	3	-	13	-	4	16	-
Charing Cross *HH*	9859	139	216	40	42	-	-	1	-	2	-	-	1	7	-	27	37	72
St. Mary-le-Strand	9378	242	148	43	23	-	-	1	-	5	-	-	-	6	-	4	10	-
St. Clement Danes *H*	10723	279	429	66	51	-	3	8	3	7	-	3	3	14	-	38	48	220
St. Geo. the Martyr *HHHHH*	20521	652	488	100	81	1	14	10	5	9	1	6	-	13	-	8	24	114
St. Andrew Eastern *W*	13529	341	579	79	118	-	26	7	1	10	-	-	-	12	-	10	24	319
Saffron Hill *H*	9066	227	177	40	38	-	13	3	1	5	-	-	-	6	-	8	17	-
St. James Clerkenwell *W*	18917	818	468	154	74	-	19	11	-	11	-	3	-	27	-	17	41	93
Amwell	16884	637	331	92	44	-	11	7	1	10	-	2	-	19	-	12	40	-
Pentonville	13337	461	232	62	48	1	9	4	-	12	2	1	1	8	-	4	14	-
Goswell Street	16242	643	311	78	62	1	9	8	3	8	1	2	-	19	-	5	18	-
Old Street *H*	12161	457	189	52	30	-	2	1	-	6	-	2	-	7	-	8	12	3
City Road *HHL*	18301	1120	415	156	55	1	8	5	-	21	-	1	1	20	-	12	34	40
Whitecross Street	13792	401	276	89	39	-	1	4	2	20	-	2	-	14	-	5	27	-
Finsbury	10741	268	166	42	30	-	-	5	2	5	-	1	2	8	-	5	24	-
St. Botolph *H*	14540	392	253	65	57	-	1	3	1	4	-	-	3	14	-	9	12	5
Cripplegate	13638	304	197	49	45	-	2	6	2	8	-	2	-	6	-	6	13	-
St. Sepulchre *H*	7562	135	654	32	77	-	2	4	6	-	1	9	1	2	-	103	126	572
St. Bride *W*	11185	261	190	42	45	-	8	2	-	9	1	3	-	5	-	5	13	111
Castle Baynard	4426	63	51	10	17	-	2	-	-	1	-	-	-	1	-	7	8	-
Christchurch	6270	49	37	4	16	-	1	-	-	-	-	1	-	-	-	2	2	-
Queenhithe	4753	77	77	13	18	-	-	1	-	2	1	1	-	1	-	4	5	-
Allhallows Barking	5764	71	93	17	16	-	1	2	1	2	-	2	1	2	-	12	15	-
Broad Street *H*	7845	149	81	18	24	-	2	2	1	1	1	-	2	1	-	1	4	2

NOTE.—The letters placed against the names of the sub-districts denote Public Institutions situated therein, namely:—*W*—Workhouse; *w*—Workhouse Establishment receiving inmates from other Districts than that in which it stands (see note at the foot of next page); *H*—Hospital; *L*—Lunatic Asylum.

* The deaths in Prisons and Military Asylums are not included in this column.

† The sub-district of St. James's Square was united with Berwick Street sub-district on 1st April 1876. The above figures relate to the united sub-districts for the entire year.

of Persons aged 60 Years and upwards from all Causes; and Deaths from Small-pox, Measles, Scarlet
titutions; registered in each Sub-district during the 52 Weeks ending Saturday, 30th December 1876.

REGISTRARS' SUB-DISTRICTS.	Enumerated Population, 1871.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	The Deaths registered in the 52 Weeks include														
				Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.*
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.		
East Districts.																		
olywell (Shoreditch) – –	12430	280	145	44	33	–	1	1	–	9	1	2	1	11	–	5	15	–
. Leonard (Shoreditch) *HL*† –	16545	548	338	88	49	–	2	9	–	14	–	3	1	24	–	14	26	48
oxton New Town *w* – –	27835	1266	699	155	237	1	6	21	–	30	–	2	1	26	–	8	23	170
oxton Old Town – – –	26933	1150	483	182	73	–	2	16	–	33	2	6	2	29	3	7	25	–
uggerston West *W* – –	24162	1133	777	203	209	1	4	11	1	31	1	4	5	43	2	20	32	262
uggerston East *H* – – +	19259	850	374	105	50	–	4	14	5	11	1	8	1	14	1	8	20	36
ackney Road – – – –	29822	1305	586	229	70	1	9	22	3	35	1	8	4	31	2	34	55	–
een (Bethnal Green) *WHL*† –	42433	2006	1364	325	328	1	16	45	3	49	5	7	11	31	1	61	141	446
urch (Bethnal Green) – –	26577	1185	503	184	78	6	14	13	2	23	4	2	3	25	–	14	49	–
wn (Bethnal Green) – –	21272	803	370	135	55	1	1	8	–	13	1	4	4	27	–	19	48	–
italfields *H* – – – –	22499	809	385	134	57	2	3	5	1	15	–	–	3	22	–	27	61	10
ile End New Town *W* – –	15550	690	556	109	167	6	2	2	–	6	1	1	–	23	1	19	61	335
hitechapel North – – –	11597	427	185	54	29	–	2	2	1	11	1	1	–	14	1	6	16	–
hitechapel Church *H* – –	7322	275	856	54	94	–	6	3	1	6	–	8	–	13	1	163	188	716
odman's Fields – – –	10381	354	176	60	28	–	1	1	1	8	–	6	–	13	–	5	11	–
dgate – – – – –	9224	199	190	41	19	–	2	1	–	11	–	4	1	20	–	11	25	–
. Mary (St. Geo.-in-the-East)	17900	680	413	163	48	–	20	4	2	29	1	4	2	35	–	8	25	–
. Paul (St. Geo.-in-the-East) –	21850	813	354	129	57	–	20	2	–	17	2	5	4	30	–	10	27	–
. John (St. Geo.-in-the-East) *W*	8802	320	379	59	116	1	5	1	1	13	–	5	1	18	–	6	15	249
adwell – – – – –	11640	335	212	56	30	2	15	3	2	9	–	1	1	9	–	31	37	–
tcliff *H* – – – – –	16131	578	391	118	48	–	9	13	1	5	3	4	2	28	1	19	29	49
mehouse *W* – – – –	29919	1284	655	210	89	2	13	27	2	23	1	5	4	38	2	26	58	–
ile End Old Town Western –	38128	1557	737	246	143	4	21	15	3	40	2	4	3	58	1	14	51	–
ile End Old Town Eastn. *WwwH*	55024	2460	1480	409	315	8	26	99	4	51	4	17	6	72	4	40	115	208
ow *wwwHL*† – – – –	67765	3649	2315	559	467	14	47	104	7	82	6	19	11	89	6	75	124	680
oplar *WW* – – – –	48611	2237	1053	334	125	14	27	32	3	23	1	14	5	72	–	78	153	31
South Districts.																		
ristchurch Southwark *WH* –	14573	495	368	89	114	–	1	3	1	15	–	1	–	17	–	11	23	110
. Saviour Southwark *H* –	15677	578	290	94	35	2	5	5	1	11	–	2	1	11	–	10	14	–
nt Road – – – – –	20421	747	407	127	40	2	19	16	2	26	–	2	1	12	1	9	28	–
orough Road *WH* – – –	16695	594	383	110	63	4	7	18	3	15	–	3	1	25	1	13	41	65
ndon Road *HL* – – –	18961	785	437	130	72	3	2	11	2	14	–	5	1	23	–	12	33	17
inity Newington – – –	23682	994	455	151	74	3	20	12	2	24	1	4	3	16	4	9	16	–
. Peter Walworth *W* – –	48248	2448	1391	345	314	7	19	33	8	48	3	11	11	52	–	18	17	348
. Mary Newington – –	16792	741	331	96	72	3	9	12	1	12	1	2	3	19	–	10	14	–
. Olave Southwark *H* – –	4373	90	650	16	66	–	–	4	5	3	1	7	–	2	–	112	117	587
. John Horsleydown *W* –	10500	401	256	54	49	–	–	11	–	8	1	1	–	17	–	13	18	63
ather Market – – – –	16787	644	353	119	42	1	11	14	2	13	–	1	–	24	–	11	19	–
. Mary Magdalen *W* – –	15709	633	413	102	129	3	3	24	–	10	–	1	–	32	–	9	16	99
. James Bermondsey – –	47933	2385	1041	329	117	5	33	60	2	39	5	12	1	52	5	22	44	–
otherhithe *W* – – – –	27096	1251	678	177	113	3	17	11	–	28	2	7	1	23	6	39	47	72
aterloo Road First *H* – –	14074	641	345	110	46	3	7	11	–	16	1	1	–	17	–	9	19	17
aterloo Road Second *H* –	18465	846	361	119	56	–	5	21	–	11	1	2	2	14	–	10	31	6
mbeth Church First *H* –	19492	793	744	125	121	3	9	15	3	9	1	7	3	17	–	88	110	384
mbeth Church Second *WW* –	35833	1742	1071	270	292	1	9	24	2	33	2	6	6	46	1	21	39	362
ennington First – – –	41286	1584	823	246	162	9	32	22	5	25	1	8	4	42	–	17	24	–
ennington Second – – –	31221	1104	559	145	113	14	10	20	9	35	–	3	3	32	–	10	12	–
rixton *w* – – – –	35435	1634	1031	225	180	185	2	69	4	34	4	36	–	38	–	12	21	268
orwood *W* – – – –	12536	533	247	96	37	–	15	5	4	11	–	–	1	14	–	7	10	2
apham *H* – – – –	27347	1029	545	149	138	14	13	13	–	17	–	4	1	24	–	10	19	8
ttersea *Ww* – – – –	54016	3455	1745	572	273	10	56	56	8	87	6	17	2	96	2	50	80	165
andsworth *HL* – – –	19783	685	461	95	109	1	17	12	1	10	1	6	5	16	2	14	26	107
tney – – – – –	9439	300	143	37	40	1	1	3	–	7	–	–	–	7	–	7	8	–
reatham – – – – –	14475	536	260	52	91	–	2	4	6	7	1	4	–	7	–	9	11	–
ulwich – – – – –	4041	98	47	6	19	–	–	–	1	1	–	1	–	2	–	1	4	–
mberwell *WL*†*L*† – –	31254	1366	934	185	299	7	7	9	6	31	–	5	4	34	1	12	16	332
ckham *W* – – – –	42160	2175	994	315	214	10	14	48	9	16	1	13	3	42	2	23	31	–
. George (Camberwell) – –	33851	1637	777	247	127	5	14	18	2	47	2	6	12	31	5	22	28	–
. Paul Deptford – – –	53714	2470	1242	379	221	1	67	55	9	48	1	12	4	77	2	35	49	–
. Nicholas Deptford – –	6474	247	167	47	20	–	18	8	–	–	1	1	–	4	–	7	8	–
reenwich West – – –	21034	748	378	97	85	1	2	5	1	7	–	4	–	19	1	15	33	–
reenwich East *WH* – –	19378	709	638	105	177	1	20	21	1	9	–	11	3	13	–	20	26	329
ltham *H* – – – – –	4539	148	77	17	21	–	4	3	–	1	–	1	–	2	–	2	3	–
ee – – – – – –	16440	512	257	57	76	–	4	11	–	8	–	1	–	7	–	5	4	–
ewisham Village *WH* – –	11513	550	273	74	80	1	9	6	3	8	–	2	1	9	–	3	3	58
ydenham *H* – – – –	19065	763	365	98	67	–	14	18	5	15	–	8	–	17	1	12	11	4
harlton *H* – – – –	9564	273	202	35	43	–	2	22	1	5	–	4	–	4	1	11	12	45
oolwich Dockyard – – –	17226	653	361	94	53	2	13	46	–	17	–	1	2	18	–	10	17	–
oolwich Arsenal *WHH* –	18331	698	397	97	53	–	27	54	3	6	2	3	1	14	–	15	26	8
lumstead West – – –	13027	494	274	61	39	–	19	37	–	12	–	1	–	9	–	4	7	–
lumstead East *W* – – –	15232	635	459	85	122	–	14	57	1	31	1	2		17	1	14	18	140

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the ove Table by *w*:—

Central London Sick Asylum in Tottenham-court sub-district.
" " Kentish Town sub-district.
London City Workhouse in Islington East sub-district.
Holborn Infirmary " " "
London City Workhouse " Hackney sub-district.
Holborn " " Hoxton New Town sub-district.
Whitechapel " " Mile End Old Town Eastern sub-dist.
London City Workhouse in { Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney " " Bow sub-district.
Poplar & Stepney Sick Asylum " "
Westminster Union Industrial School in "Battersea sub district.
Small-pox and Fever Hospitals in Hampstead, Hackney, and Brixton sub-districts.

† Private Lunatic Asylums in which paupers are received.

TABLE **18.** LONDON.—**Weekly Deaths** from **Small-pox, Measles, Scarlet Fever, Feve**
from each of these DISEASES durir

——	SMALL-POX.						MEASLES.						SCARLET FEVER.					
	1871	1872	1873	1874	1875	1876	1871	1872	1873	1874	1875	1876	1871	1872	1873	1874	1875	18
YEAR -	7876	1781	115	56	75	735	1431	1680	2195	1655	1427	1741	1896	904	652	2662	3651	22
March Quar.	2400	831	46	24	37	7	202	635	120	825	175	667	722	321	108	220	570	6
June „	3241	582	37	10	17	26	215	661	302	454	295	561	369	202	103	320	583	4
Sept. „	1255	237	15	10	15	110	251	246	353	206	345	225	351	158	158	846	1076	5
Dec. „	980	131	17	12	6	592	763	138	1420	170	612	288	454	223	283	1276	1422	6
Weeks.																		
1 - -	79	91	4	–	5	–	34	67	6	93	16	55	112	24	9	19	61	
2 - -	135	90	5	6	5	–	27	51	12	87	12	40	77	23	12	16	59	
3 - -	188	93	6	4	6	–	17	60	6	74	4	52	68	34	12	22	58	
4 - -	157	90	7	–	5	–	12	41	10	57	8	49	66	19	7	20	61	
5 - -	196	52	1	1	2	1	12	32	3	48	9	41	49	32	7	13	43	
6 - -	211	68	2	4	1	–	9	40	3	53	11	37	46	31	7	14	46	
7 - -	218	48	3	2	1	–	11	30	12	51	16	48	48	16	8	16	38	
8 - -	227	53	2	1	2	2	15	52	14	75	15	44	47	32	8	13	38	
9 - -	213	52	3	–	2	1	15	41	11	62	12	57	53	21	5	25	36	
10 - -	194	49	5	1	3	1	14	52	13	52	13	46	54	29	10	23	38	
11 - -	185	42	2	4	3	1	13	40	5	64	18	69	33	19	12	11	36	
12 - -	205	48	1	1	1	1	10	66	16	58	17	63	36	19	4	18	24	
13 - -	192	55	5	–	1	–	13	63	9	51	24	66	33	22	7	11	32	
14 - -	214	65	3	–	3	–	15	68	23	36	19	56	36	23	12	14	24	
15 - -	265	49	4	–	1	4	6	66	16	45	18	44	40	26	6	18	28	
16 - -	276	48	2	2	1	–	13	77	25	39	6	59	27	11	5	22	34	
17 - -	261	41	2	–	–	–	12	58	15	40	11	47	30	17	8	16	35	
18 - -	288	62	4	1	1	2	17	64	13	44	25	53	29	11	7	16	35	
19 - -	232	39	2	–	–	1	16	35	28	38	24	49	35	10	5	23	59	
20 - -	267	54	2	–	2	1	11	47	19	26	23	41	28	16	7	17	31	
21 - -	257	54	4	–	2	3	23	41	20	37	32	40	28	20	6	26	42	
22 - -	229	37	2	–	2	4	16	59	29	44	32	33	25	18	8	32	41	
23 - -	245	27	3	3	2	2	23	39	22	32	24	38	34	18	11	38	70	
24 - -	240	37	5	1	–	4	21	33	33	28	27	40	17	12	9	33	53	
25 - -	232	26	3	1	2	2	27	41	31	22	25	31	24	9	9	34	62	
26 - -	235	43	1	2	1	3	15	33	28	23	29	30	16	11	10	31	69	
27 - -	164	35	1	–	–	13	12	42	33	23	27	25	24	17	11	43	58	
28 - -	133	26	3	1	4	2	22	28	24	21	27	24	40	12	6	24	90	
29 - -	135	29	1	2	–	8	17	12	31	31	35	24	24	3	11	52	96	
30 - -	122	33	–	2	1	7	18	25	31	14	44	28	19	7	15	41	87	
31 - -	87	28	1	–	3	1	18	20	28	20	41	21	24	6	8	58	73	
32 - -	96	15	–	–	1	9	28	18	28	18	36	22	30	12	13	52	87	
33 - -	80	16	1	–	1	5	19	26	32	23	27	25	21	15	16	62	59	
34 - -	82	15	–	–	1	10	20	12	30	16	22	10	24	12	14	72	71	
35 - -	78	8	1	1	2	8	19	15	26	6	22	11	24	13	16	68	99	
36 - -	81	6	2	–	2	5	21	17	15	7	25	11	26	10	12	87	71	
37 - -	57	12	2	–	–	16	16	9	29	6	15	8	32	22	13	105	82	
38 - -	89	5	1	–	–	11	23	10	24	13	13	7	27	12	12	75	90	
39 - -	51	9	2	4	–	15	18	12	22	8	11	9	36	17	11	107	113	
40 - -	72	10	1	1	–	11	25	9	32	9	21	19	38	20	19	107	110	
41 - -	61	7	–	–	1	16	34	7	48	8	23	7	29	21	22	118	122	
42 - -	53	17	–	–	–	22	34	15	55	5	34	18	40	17	18	105	127	
43 - -	61	6	–	1	1	15	36	4	76	8	24	8	31	22	18	128	128	
44 - -	61	14	2	–	1	21	45	12	103	10	40	18	38	21	12	107	129	
45 - -	54	15	1	–	1	48	42	11	116	19	43	19	32	14	17	97	116	
46 - -	76	13	–	–	1	52	49	7	105	17	51	16	40	14	32	124	96	
47 - -	67	13	–	–	–	43	60	11	130	17	54	27	34	23	27	97	120	
48 - -	78	8	3	–	–	67	83	15	121	18	59	31	39	13	16	92	104	
49 - -	104	8	–	2	–	50	81	10	118	18	69	24	34	12	23	91	103	
50 - -	106	5	4	2	1	75	97	11	133	18	68	31	37	17	22	76	107	
51 - -	90	5	–	2	–	97	102	17	168	9	56	30	28	11	22	65	85	
52 - -	97	10	2	4	–	75	75	9	107	14	70	40	34	18	17	69	75	
53 - -	–	–	4	–	–	–	–	–	108	–	–	–	–	–	18	–	–	

l **Diarrhœa** during the Six Years 1871–1876; and the AVERAGE WEEKLY Numbers
Thirty-seven Years 1840–1876.

FEVER.						DIARRHŒA.						WEEKLY AVERAGE in 37 Years, 1840–76.					
1871	1872	1873	1874	1875	1876	1871	1872	1873	1874	1875	1876	Small-pox.	Measles.	Scarlet Fever.	Fever.	Diarrhœa.	
6	1340	1549	1554	1282	1176	3894	3490	3879	3077	3198	3518	19	29	48	41	47	YEAR.
9	402	337	351	372	268	179	132	201	147	210	184	21	27	38	41	13	March Quar.
4	304	298	323	307	263	235	204	206	417	436	231	21	30	34	38	18	June „
5	316	375	384	281	264	3122	2849	3170	2248	2128	2842	15	25	51	40	134	Sept. „
8	318	539	496	322	381	358	305	302	265	424	261	17	33	68	46	24	Dec. „
																	Weeks.
7	40	25	32	33	30	19	7	15	13	10	20	21	38	**51**	43	13	- - 1
8	41	22	27	43	16	17	3	13	12	13	14	21	34	46	44	14	- - 2
4	48	22	20	34	20	17	10	11	14	13	16	24	31	47	42	13	- - 3
0	28	25	23	31	23	10	12	13	13	20	15	22	27	42	42	13	- - 4
9	26	25	20	27	22	14	6	13	8	9	12	23	25	38	42	14	- - 5
3	27	24	31	23	18	14	13	23	7	15	10	22	23	38	41	14	- - 6
5	29	27	33	29	17	14	11	12	11	14	13	22	21	37	40	13	- - 7
4	32	37	34	24	15	14	8	18	16	16	17	21	25	36	40	14	- - 8
6	21	19	19	23	19	13	10	13	13	18	18	21	24	35	38	14	- - 9
7	24	18	37	27	18	15	12	10	8	16	16	20	24	34	41	13	- - 10
3	29	24	20	33	30	9	16	25	13	20	16	19	24	31	42	12	- - 11
2	31	35	25	15	15	9	15	25	8	22	10	19	27	31	38	12	- - 12
1	26	34	30	30	25	14	9	10	11	24	7	19	28	31	42	12	- - 13
9	24	20	29	28	22	7	7	18	10	24	19	20	28	30	38	12	- - 14
1	18	25	23	20	18	6	10	20	15	22	16	21	28	31	39	12	- - 15
3	22	29	22	23	18	15	13	15	12	13	17	22	28	33	40	13	- - 16
7	26	19	21	30	23	14	15	10	20	15	7	21	28	31	40	12	- - 17
4	20	20	27	29	16	13	9	13	21	11	15	23	29	32	38	12	- - 18
4	27	25	18	23	25	13	10	13	26	15	6	20	30	32	37	12	- - 19
4	25	34	21	25	20	22	14	12	21	15	15	23	30	33	38	13	- - 20
3	16	22	30	20	25	12	9	12	21	23	14	23	31	36	38	14	- - 21
3	28	22	23	25	21	20	15	16	22	29	13	20	32	36	38	16	- - 22
0	33	22	33	23	22	23	24	17	39	31	14	21	32	39	38	18	- - 23
2	22	24	27	22	22	24	16	18	56	54	16	21	33	35	38	23	- - 24
2	23	16	23	27	14	20	25	20	68	77	30	20	32	40	36	34	- - 25
2	20	20	26	12	17	46	37	22	86	107	49	20	31	39	36	47	- - 26
7	19	24	23	15	20	39	61	68	122	179	116	18	31	41	37	71	- - 27
3	20	20	41	26	12	64	148	100	238	204	249	18	29	41	38	100	- - 28
4	23	21	26	22	20	110	258	205	389	138	457	17	28	41	38	144	- - 29
5	21	37	27	23	19	201	394	305	365	137	522	16	28	43	39	187	- - 30
0	28	22	35	9	16	225	484	375	293	132	401	15	28	45	37	191	- - 31
6	22	25	30	22	19	299	441	470	243	147	294	14	25	47	38	186	- - 32
1	27	30	32	18	24	425	270	405	166	181	232	14	24	47	40	174	- - 33
2	25	32	28	24	15	487	197	362	100	215	198	15	23	50	40	159	- - 34
6	30	38	31	29	19	353	156	277	120	188	134	14	21	52	43	143	- - 35
4	16	27	23	26	15	293	134	229	75	190	99	14	20	57	42	126	- - 36
7	29	26	30	24	21	268	119	162	70	147	53	13	20	61	44	103	- - 37
1	30	34	33	18	37	205	95	127	29	125	45	14	21	62	45	85	- - 38
9	26	39	25	25	27	153	92	85	38	145	42	12	21	69	44	71	- - 39
2	29	43	39	29	34	80	50	71	44	105	35	14	22	73	44	55	- - 40
2	31	45	33	29	38	69	45	43	38	78	34	14	23	76	44	45	- - 41
5	26	32	30	26	28	46	36	30	25	41	16	13	26	74	46	36	- - 42
7	28	55	43	24	30	32	32	29	21	35	18	14	25	76	47	29	- - 43
7	24	42	39	23	22	19	18	21	27	24	31	14	29	74	46	24	- - 44
5	28	35	41	20	24	21	19	18	18	24	16	16	32	72	44	20	- - 45
9	22	47	38	27	33	17	15	13	21	30	16	18	34	72	47	19	- - 46
4	19	40	45	25	32	7	14	12	16	14	7	16	37	71	46	16	- - 47
0	19	35	47	29	30	16	21	15	10	13	16	19	41	67	46	16	- - 48
1	26	41	41	26	30	14	17	11	14	17	15	19	41	63	47	15	- - 49
2	28	30	37	24	28	15	13	9	13	15	19	20	40	61	48	14	- - 50
0	16	35	33	20	25	13	9	11	6	12	17	21	42	54	44	13	- - 51
5	22	28	30	20	27	9	16	7	12	16	21	23	38	52	42	13	- - 52
-	-	31	-	-	-	-	-	12	-	-	-	-	-	-	-	-	- - 53

TABLE **19.—Deaths** in 165 **Public Institutions,** registered

	DEATHS.		
	Total.	Males.	Females.
TOTAL DEATHS IN 165 PUBLIC INSTITUTIONS	14073	8079	5994
54 WORKHOUSES	8174	4472	3702
11 PRISONS	69	54	15
2 MILITARY ASYLUMS	79	79	-
38 GENERAL HOSPITALS	4442	2687	1755
38 HOSPITALS FOR SPECIAL DISEASES	483	273	210
5 LYING-IN HOSPITALS — *Women*	33	-	33
5 LYING-IN HOSPITALS — *Children*	68	35	33
4 MILITARY AND NAVAL HOSPITALS	184	177	7
3 HOSPITALS FOR FOREIGNERS	100	78	22
10 LUNATIC ASYLUMS	441	224	217

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
WORKHOUSES.				
Paddington	1; 1. St. Mary Paddington	137	75	62
Kensington	1; 3. Kensington Town	225	114	111
Fulham	1*a*; 3. Fulham	97	56	41
Chelsea	2; 2. Chelsea North-west	194	109	85
St. George's (Little Chelsea)	3; 2. Mayfair	51	27	24
Ditto (Mount-street)	3; 2. Mayfair	115	71	44
Ditto (Earl's Court Kensington)	3; 5. St. Margaret Westmr.	169	98	71
Ditto (York-street)	3; 5. St. Margaret Westmr.	14	11	3
Westminster	4; 1. Golden Square	114	60	54
Marylebone (Workhouse and Infirmary)	5; 3. Rectory (Maryleb.)	466	249	217
Hampstead	6; 1. Hampstead	41	24	17
Small-pox Hospital	6; 1. *Hampstead*	63	30	33
Central London Sick Asylum	7; 2. *Tottenham-court*	225	125	100
Pancras	7; 5. Camden Town	329	153	176
Highgate Infirmary (Central London Sick Asylum)	7; 6. *Kentish Town*	218	128	90
Islington (Upper Holloway)	8; 2. Islington East	276	147	129
City of London	8; 2. *Islington East*	34	17	17
Holborn Infirmary (College House)	8; 2. *Islington East*	22	6	16
Hackney	9; 4. Hackney	169	98	71
City of London	9; 4. *Hackney*	16	11	5
Small-pox and Fever Hospital (Homerton)	9; 4. *Hackney*	282	138	144
St. Giles	10; 2. St. Giles South	155	84	71
Holborn (Gray's Inn)	12; 2. St. Andrew Eastern	319	189	130
Ditto (Clerkenwell)	12; 4. St. James Clerknwll.	93	53	40
City of London	13; 4. St. Bride	11	8	3
Holborn (St. Luke's)	14; 3. *Hoxton New Town*	170	75	95
Shoreditch	14; 5. Haggerston West	262	149	113
Bethnal Green	15; 2. Green	312	190	122
Whitechapel	16; 2. Mile End New Town	35	188	147
St. George-in-the-East	17; 3. St. John	249	121	128
Stepney (*for Children*)	18; 3. Limehouse	-	-	-
Mile End Old Town	19; 2. Mile End Old Town Eastern	157	94	63
Whitechapel (for Children)	19; 2. *Mile End Old Town Eastern*	-	-	-
City of London	19; 2. *Mile End Old Town Eastern*	47	-	47
City of London	20; 1. *Bow*	176	108	68
Poplar and Stepney Sick Asylum	20; 1. *Bow*	410	247	163
Stepney (Aged and Infirm)	20; 1. *Bow*	21	10	11
Poplar	20; 2. Poplar	20	15	5
North Street Infirmary	20; 2. Poplar	11	6	5
St. Saviour's (Christchurch)	21; 1. Christch., Southwrk.	110	104	6
Ditto (St. George's)	21; 4. Borough Road	21	15	6
Ditto (Newington)	21; 7. St. Peter Walworth	348	158	190
St. Olave's	22; 2. St. John Horsleydn.	63	37	26
Ditto (Bermondsey)	22; 4. St. Mary Magdalen	99	50	49
Ditto (Rotherhithe)	22; 6. Rotherhithe	72	46	26
Lambeth (Prince's-road Infirmary)	23; 4. Lambeth Church 2d	357	191	166
Ditto (Lower Kennington Lane)	23; 4. Lambeth Church 2d	5	1	4
Small-pox and Fever Hospital (Stockwell)	23; 7. *Brixton*	268	147	121
Lambeth (*for Children*)	23; 8. Norwood	2	1	1
Wandsworth and Clapham	24; 2. Battersea	165	108	57
Westminster Union Industrial School	24; 2. *Battersea*	-	-	-
Camberwell (Havil St.)	25; 2. Camberwell	230	115	115
Ditto (Nazareth House)	25; 3. Peckham	-	-	-
Greenwich	26; 4. Greenwich East	232	112	120
Lewisham	27; 3. Lewisham Village	57	30	27
Woolwich	28; 5. Plumstead East	140	73	67
PRISONS.*				
Female Convict Prison	1*a*; 3. Fulham	3	-	3
Millbank Penitentiary	3; 4. St. John Westmr.	14	9	5
House of Correction	3; 5. St. Margaret Westmr.	4	4	-
Pentonville, Model Prison (*Males*)	8; 1. Islington West	2	2	-
City Prison (*Holloway*)	8; 1. Islington West	6	5	1
Middlesex House of Detention	12; 4. St. James Clerknwll.	5	5	-
Middlesex House of Correction (*Males*)	12; 5. Amwell (Holborn)	16	16	-
City Prison (*Newgate*)	13; 3. St. Sepulchre	8	8	-
County Prison	21; 6. Trinity Newington	3	2	1
Convict Prison (*Males*)	23; 7. Brixton	4	4	-
County Prison	24; 3. Wandsworth	4	3	1
MILITARY ASYLUMS.				
Royal Military Hospital Chelsea, *In-Pensioners*	2; 1. Chelsea South	79	79	-
Royal Military Asylum, Chelsea, *Boys*	2; 1. Chelsea South	-	-	-
GENERAL HOSPITALS.				
St. Mary's	1; 2. St. John Paddington	217	115	102
West London	1*a*; 2. St. Paul Hammersm.	52	37	15
Victoria (*Children*)	2; 1. Chelsea South	14	7	7
Cheyne Hosp. (Children)	2; 1. Chelsea South	1	-	1
St. George's	3; 3. Belgrave	401	243	158
Belgrave (*Children*)	3; 3. Belgrave	6	3	3
Westminster	3; 5. St. Margaret Westm.	155	88	67
Middlesex	5; 1. All Souls (Maryleb.)	298	156	142
St. Agnes' Home	5; 1. All Souls (Maryleb.)	4	-	4
Ladies' Hospital	5; 2. Cavendish Square	4	-	4

NOTE.—The Workhouse Establishments printed in *italics* receive inmates from other Districts than those in which they are situated.

* PRISONS.—The deaths of the children of prisoners are not included.

during the 52 Weeks ending Saturday, 30th December 1876.

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
GENERAL HOSPITALS—*continued.*				
Surgical & Medical Home	5; 2. Cavendish Square	3	3	–
Samaritan Free	5; 3. Rectory (Maryleb.)	10	–	10
St. Peter's Home (Kilburn)	6; 1. Hampstead	29	–	29
University College	7; 2. Tottenham Court	221	143	78
London Temperance Hosp.	7; 2. Tottenham Court	6	5	1
Royal Free	7; 3. Gray's Inn Lane	113	80	33
Great Northern	8; 1. Islington West	30	20	10
Invalid Asylum	9; 1. Stoke Newington	5	–	5
Charing Cross	11; 2. Charing Cross	72*	53	19
King's College	11; 4. St. Clement Danes	220	149	71
London Homœopathic	12; 1. St. George the Martyr	12	4	8
St. John and St. Elizabeth	12; 1. St. George the Martyr	23	1	22
Hospital for Sick Children	12; 1. St. George the Martyr	68	44	24
City Police	13; 1. St. Botolph	5	5	–
St. Bartholomew's	13; 3. St. Sepulchre	572	352	220
Convent Hospital	14; 2. St. Leonard Shoreditch	6	3	3
Children's	14; 6. Haggerston East	36	22	14
Metropolitan Free	16; 1. Spitalfields	10	7	3
London	16; 4. Whitechapel Church	716	473	243
East London Children's	18; 2. Ratcliff	49	24	25
Poplar	20; 1. Bow	28	27	1
Guy's	21; 2. St. Saviour 22; 1. St. Olave	– 587	– 367	– 220
Evelina (*Children*)	21; 4. Borough Road	44	23	21
Royal Infirmary for Children and Women	23; 1. Waterloo 1st	17	6	11
St. Thomas's	23; 3. Lambeth Church 1st	384	221	163
British Home for Incurables	24; 1. Clapham	8	2	6
Royal Hospital for Incurables	24; 3. Wandsworth	12	4	8
Home for Sick Children	27; 4. Sydenham	4	–	4
HOSPITALS FOR SPECIAL DISEASES.				
Lock (for Syphilis), *Females*	1; 1. St. Mary Paddington	1	–	1
Consumptn. & Dis. of Chest	1; 4. Brompton	113	83	30
St. Saviour's (Cancer)	1*a*; 3. Fulham	4	–	4
Chelsea Home (Consump.)	2; 1. Chelsea South	1	1	–
Cancer	2; 2. Chelsea North-west	48	10	38
For Women	2; 2. Chelsea North-west	1	–	1
Consump. (South branch)	2; 2. Chelsea North-west	14	13	1
Royal Orthopœdic	3; 1. St. Geo. Hanov. Sq.	–	–	–
New Hospitl. for Women (Vincent Square)	3; 4. St. John Westmin.	2	–	2
For Dis. of the Throat	4; 1. Golden Square	14	9	5
Dis. of Skin	4; 2. Berwick Street	–	–	–
For Women	4; 3. St. Anne Soho	31	–	31
Dis. of the Heart	4; 3. St. Anne Soho	3	3	–
Lock (for Syphilis), *Males*	4; 3. St. Anne Soho	–	–	–
St. John's (for Skin Dis.)	4; 3. St. Anne Soho	–	–	–
St. Peter's (for Stone)	5; 1. All Souls (Maryleb.)	5	5	–
National Orthopœdic (Bolsover Street)	5; 1. All Souls (Maryleb.)	1	1	–
Dis. of the Heart	5; 1. All Souls (Maryleb.)	–	–	–
Home for Consumptive Females	5; 4. St. Mary (Maryleb.)	3	–	3
Western Ophthalmic	5; 4. St. Mary (Maryleb.)	–	–	–
New Hospital for Women	5; 5. Christch. (Maryleb.)	3	–	3
For Nervous Diseases	5; 6. St. John (Maryleb.)	4	3	1

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
HOSPITALS FOR SPECIAL DISEASES—*continued.*				
North London Consumption	6; 1. Hampstead	16	10	6
St. Saviour's (Cancer)	7; 1. Regent's Park	4	–	4
All Saints Instn. (Women)	7; 2. Tottenham Court	2	–	2
Central Lond. Ophthalmic	7; 3. Gray's Inn Lane	1	1	–
London Fever	8; 1. Islington West	85	52	33
Small-pox	8; 1. Islington West	23	12	11
Royal Westrn. Ophthalmic	11; 2. Charing Cross	–	–	–
Hip Diseases (Children)	12; 1. St. George the Martyr	3	1	2
National for Paralysed and Epileptic	12; 1. St. George the Martyr	8	4	4
City Orthopœdic	12; 3. Saffron Hill	–	–	–
St. Mark's (Fistula)	12; 8. Old Street	3	2	1
Royal for Dis. of Chest	12; 9. City Road	6	4	2
Royal Ophthalmic	13; 9. Broad Street	2	1	1
City of London for Dis. of Chest	15; 2. Green	81	57	24
Dis. of Skin	21; 1. Christch. (Southwk.)	–	–	–
Royal South London Ophthalmic	21; 5. London Road	–	–	–
For Contagious Diseases (Hither Green)	27; 3. Lewisham	1	1	–
LYING-IN HOSPITALS.				
Queen Charlotte's	5; 4. St. Mary (Marylebone) Women 5; 4. St. Mary (Marylebone) Children	19 33	– 17	19 16
St. Saviour's	8; 2. Islington East Women 8; 2. Islington East Children	– 9	– 5	– 4
British	10; 2. St. Giles South Women 10; 2. St. Giles South Children	3 10	– 4	3 6
City of London	12; 9. City Road Women 12; 9. City Road Children	8 13	– 6	8 7
General (York Road)	23; 2. Waterloo 2d Women 23; 2. Waterloo 2d Children	3 3	– 3	3 –
MILITARY AND NAVAL HOSPITALS.				
Guards'	3; 4. St. John Westminster	34	34	–
Seamen's	26; 4. Greenwich East	97	97	–
Herbert	27; 1. Eltham 28; 1. Charlton	– 45	– 43	– 2
Garrison Female	28; 3. Woolwich Arsenal	8	3	5
HOSPITALS FOR FOREIGNERS.				
French	4; 3. St. Anne Soho	13	8	5
German	9; 4. Hackney	83	68	15
Spanish and Portuguese Jews'	19; 2. Mile End Old Town Eastern	4	2	2
LUNATIC ASYLUMS.†				
Metropolitan Asylum for Imbeciles	6; 1. Hampstead	31	9	22
Metropolitan Asylum for Imbecile Children	9; 4. Hackney	43	23	20
St. Luke's Hospital	12; 9. City Road	13	7	6
Hoxton House *	14; 2. St. Leonard	42	18	24
Bethnal House *	15; 2. Green	53	25	28
Grove Hall *	20; 1. Bow	45	45	–
Bethlehem Hospital	21; 5. London Road	17	8	9
Surrey County	24; 3. Wandsworth	95	50	45
Peckham House *	25; 2. Camberwell	42	15	27
Camberwell House *	25; 2. Camberwell	60	24	36

* Nearly the whole of this Hospital was closed for repairs, &c. during the greater part of the year 1876.

† LUNATIC ASYLUMS.—Private Lunatic Asylums are excluded from this list, except those in which *pauper* lunatics are received, which are marked with an asterisk.

TABLE **20.—Deaths** REGISTERED in the **Public Institutions** of **London,** 1866–1876.

	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
TOTAL DEATHS IN PUBLIC INSTITUTIONS	13054	12002	12326	12298	12300	14665	12029	13101	13359	13946	14073
WORKHOUSES (including the Metropolitan Asylum Hospitals)	7088	6829	6789	7068	6833	9090	6743	7416	7619	8015	8174
PRISONS	95	90	75	83	78	76	57	62	70	77	69
MILITARY AND NAVAL ASYLUMS *	195	147	176	165	86	81	93	66	81	96	79
GENERAL HOSPITALS	3813	3291	3714	3480	3614	3796	3863	4148	4310	4420	4442
HOSPITALS FOR SPECIAL DISEASES	1167	929	933	849	981	905	562	584	392	436	483
LYING-IN HOSPITALS — Women	22	31	15	13	31	16	16	29	18	20	33
LYING-IN HOSPITALS — Children	50	51	46	41	40	37	60	56	62	49	68
MILITARY AND NAVAL HOSPITALS	146	177	163	170	200	218	195	207	206	238	184
HOSPITALS FOR FOREIGNERS	96	100	79	93	102	99	94	128	115	122	100
LUNATIC ASYLUMS	382	357	336	336	335	347	346	405	486	473	441

* Previous to the year 1870, the Royal Naval Hospital at Greenwich was classed with the "Military and Naval Asylums"; since that year no In-pensioners have been received here.

TABLE **21.—Deaths** in **London**; and **Meteorology** at **Greenwich Observatory.** (*a*)

YEARS.	Total Number of Deaths.	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly † Amount of Horizontal Movement of the Air by Robinson's Anemometer.
Averages of 36 Years, 1840–1875.	63,913	° 49·3	° ‡5·6	24·1	Miles. §10·6
Averages of 10 Years, 1840–1849.	51,976	49·3	‖ 5·1	24·3	—
Averages of 10 Years, 1850–1859.	59,699	49·3	5·9	23·2	10·1
Averages of 10 Years, 1860–1869.	72,086	49·5	5·7	25·3	10·7
1840	46281	47·7	—	18·3	—
1841	45284	48·7	5·0	33·3	—
1842	45272	49·6	4·6	22·6	—
1843	48574	49·4	3·7	24·6	—
1844	50423	48·6	4·9	24·9	—
1845	48332	47·6	4·4	22·4	—
1846	49089	51·3	5·1	25·3	—
1847	60442	49·5	5·4	17·8	—
1848	57628	50·4	6·4	30·2	—
1849	68432	50·0	6·6	23·9	—
1850	48579	49·3	6·1	19·7	11·0
1851	55354	49·2	6·5	21·6	10·3
1852	54213	50·6	7·4	34·2	10·6
1853	61202	47·7	6·2	29·0	9·5
1854	73697	48·9	4·7	18·7	10·3
1855	61506	47·1	4·5	21·1	9·9
1856	56786	49·0	5·6	22·2	10·6
1857	60150	51·0	5·2	21·4	9·3
1858	63882	49·2	6·5	17·8	9·7
1859	61617	50·7	6·0	25·9	9·5
1860	61821	47·0	4·6	32·0	10·0
1861	65001	49·4	5·0	20·8	9·9
1862	66950	49·5	4·7	26·2	10·0
1863	72346	50·3	6·0	20·0	10·3
1864	77723	48·5	7·0	16·7	9·5
1865	73460	50·3	6·2	29·0	9·3
1866	80129	49·8	5·6	30·5	11·4
1867	70588	48·6	5·6	28·4	11·8
1868	74908	51·6	6·8	25·2	12·2
1869	77933	49·5	5·7	24·0	12·2
1870	77278	48·7	6·7	18·5	11·1
1871	80332	48·7	6·0	22·3	10·5
1872	70893	50·7	5·5	30·0	11·9
1873	76634	48·9	5·4	23·4	11·8
1874	76606	49·4	4·7	20·0	11·5
1875	81513	49·4	5·9	27·3	11·5
1876	77411	50·1	6·4	23·9	12·1

NOTE.—This Table does not include the deaths in Wandsworth and Clapham for the years 1840-3; nor the deaths in Hampstead and Lewisham for 1840-6.

(*a*) The deaths in this Table as well as the Meteorology are compiled from the Registrar General's Weekly Returns, which embrace 364 days, or for six years (1847, 1853, 1857, 1863, 1868, and 1873) 371 days; for this reason the figures differ from those which relate to complete years from 1st January to 31st December, published in Table 16.

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The dew point temperature, for any year, may be obtained by subtracting the number in the column, headed "dryness" from the mean temperature in the same period.

† For the years 1850–59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡Average of 35 years. § Average of 26 years. ‖ Average of 9 years.

TABLE **22.—Temperature** at **Greenwich, Total Deaths,** and **Deaths** at **Seven groups of Ages** in **London,** in each Week of the Year 1876.

POPULATION estimated to the middle of 1876 -					3,489,428	104,730	348,441	1,036,257	1,164,432	618,593	203,519	13,456
Number of Week.	WEEK ENDING	TEMPERATURE.			AGES AT DEATH.							
		Mean.	Highest Reading by Day.	Lowest Reading by Night.	ALL AGES.	Under 1 Year of Age.	1—5	5—20	20—40	40—60	60—80	80 and upwards.
	YEAR (of 52 Weeks)	° 50·1	° 94·0	° 17·4	77,411	19,893	13,080	5,215	10,688	12,993	12,868	2,674
	March Quarter	39·8	64·7	17·4	21,468	4,738	4,221	1,274	2,732	3,739	3,896	868
	June „	51·7	83·9	29·2	18,218	4,049	3,415	1,310	2,615	3,186	3,019	624
	September „	61·8	94·0	41·1	18,926	6,509	2,604	1,258	2,506	2,811	2,700	538
	December „	47·0	72·2	25·5	18,799	4,597	2,840	1,373	2,835	3,257	3,253	644
	1876.											
1	January 8	34·8	53·9	17·4	1526	332	315	91	200	256	267	65
2	„ 15	30·7	35·0	19·6	1590	378	321	87	171	284	282	67
3	„ 22	39·5	49·2	24·3	1782	386	339	102	243	306	326	80
4	„ 29	40·2	53·0	26·5	1637	363	321	116	196	285	283	73
5	February 5	41·6	56·1	30·9	1771	364	319	109	216	364	321	78
6	„ 12	31·5	39·0	23·0	1610	370	308	95	217	258	296	66
7	„ 19	44·5	59·0	21·8	2005	421	368	106	232	362	428	88
8	„ 26	44·6	56·0	33·7	1691	374	334	103	196	308	307	69
9	March 4	47·3	58·2	37·7	1544	351	310	86	194	278	275	50
10	„ 11	42·4	55·0	33·8	1455	338	296	79	217	232	243	50
11	„ 18	39·0	54·2	28·7	1546	352	313	97	219	248	264	53
12	„ 25	35·7	52·0	25·5	1615	355	326	105	195	282	296	56
13	April 1	45·3	64·7	33·7	1696	354	351	98	236	276	308	73
14	„ 8	51·1	70·2	32·7	1581	361	312	100	198	270	279	61
15	„ 15	40·9	62·1	29·2	1434	338	292	88	204	229	239	44
16	„ 22	47·5	62·4	33·5	1631	345	331	129	232	282	242	70
17	„ 29	50·3	66·0	39·3	1524	338	290	117	202	265	263	49
18	May 6	44·8	68·1	31·5	1416	301	263	99	215	255	240	43
19	„ 13	47·1	63·0	35·3	1457	332	248	115	218	267	228	49
20	„ 20	49·2	69·0	32·4	1341	276	274	96	167	240	228	60
21	„ 27	51·1	73·6	38·5	1446	319	260	91	228	238	261	49
22	June 3	56·0	73·6	41·7	1343	282	262	108	190	241	229	31
23	„ 10	54·5	70·0	43·0	1286	290	257	91	181	237	186	44
24	„ 17	56·5	79·2	40·1	1280	278	212	102	204	226	213	45
25	„ 24	62·4	83·9	45·3	1304	283	232	97	193	246	209	44
26	July 1	62·9	81·8	48·2	1175	306	182	77	183	190	202	35
27	„ 8	65·5	82·2	56·9	1322	402	223	97	190	198	187	25
28	„ 15	65·5	93·0	44·7	1475	538	197	104	191	212	198	35
29	„ 22	70·5	94·0	51·6	1878	822	281	112	166	233	220	44
30	„ 29	63·5	87·2	51·3	1973	895	271	103	203	238	207	56
31	August 5	61·2	78·0	47·2	1679	736	196	100	179	210	219	39
32	„ 12	66·7	91·2	47·9	1572	588	216	102	192	217	208	49
33	„ 19	72·0	93·8	57·2	1509	492	198	89	226	222	228	54
34	„ 26	59·0	77·5	41·1	1370	451	194	91	185	217	191	41
35	September 2	56·7	70·5	45·1	1288	394	162	75	189	217	216	35
36	„ 9	57·5	71·6	44·1	1231	344	176	97	164	211	196	43
37	„ 16	51·5	66·0	41·6	1119	272	140	93	172	199	206	37
38	„ 23	57·5	72·5	41·6	1280	290	177	102	224	235	212	40
39	„ 30	56·8	68·9	46·1	1230	285	173	93	225	202	212	40
40	October 7	58·0	72·2	42·1	1200	289	169	119	193	211	185	34
41	„ 14	57·3	66·4	45·4	1257	339	190	104	185	213	202	24
42	„ 21	53·7	69·0	41·5	1224	347	197	88	188	198	175	31
43	„ 28	45·9	53·7	35·0	1277	309	211	109	225	214	174	35
44	November 4	44·1	55·7	30·8	1403	348	220	87	196	260	243	49
45	„ 11	38·6	51·2	25·5	1635	437	242	96	259	278	282	41
46	„ 18	50·0	63·3	38·2	1886	438	277	135	265	331	352	88
47	„ 25	43·6	56·1	36·4	1504	361	225	113	220	238	276	71
48	December 2	46·0	56·0	34·1	1558	384	205	128	212	286	287	56
49	„ 9	47·5	56·2	35·9	1446	324	195	107	232	256	278	54
50	„ 16	42·5	46·8	35·0	1443	351	238	89	221	242	247	55
51	„ 23	39·9	48·5	28·3	1456	313	217	96	256	256	272	46
52	„ 30	43·3	55·2	30·7	1510	357	254	102	183	274	280	60

TABLE 23.—**Births** and **Deaths** Registered in **London**; and **Meteorology** at **Greenwich**, in each of the 52 Weeks of 1876.

No. of Week.	Week ending	Births.			Deaths.			Mean Temperature of the Air.	Mean of the		Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Horizontal Movement of the Air in each Week.
		Total.	Males.	Females.	Total.	Males.	Females.		Highest Readings of the Thermometer.	Lowest Readings of the Thermometer.			
	1876.												Miles.
1	January 8	2448	1251	1197	1526	746	780	34°8	40°1	29°1	3°6	0·25	11·5
2	„ 15	2431	1238	1193	1590	814	776	30·7	34·1	26·7	5·0	0·16	12·9
3	„ 22	2627	1332	1295	1782	852	930	39·5	43·9	34·9	3·4	0·54	13·9
4	„ 29	2733	1412	1321	1637	794	843	40·2	49·1	31·8	3·7	0·00	7·7
5	Feb. 5	2577	1334	1243	1771	929	842	41·6	47·5	35·7	5·3	0·20	12·8
6	„ 12	2446	1251	1195	1610	835	775	31·5	36·1	27·6	4·0	0·03	8·9
7	„ 19	2475	1246	1229	2005	998	1007	44·5	50·5	39·0	4·2	0·61	19·2
8	„ 26	2445	1274	1171	1691	870	821	44·6	50·1	39·4	5·2	0·54	19·0
9	March 4	2504	1268	1236	1544	770	774	47·3	53·8	42·2	4·4	0·58	19·2
10	„ 11	2557	1296	1261	1455	729	726	42·4	50·2	36·7	5·9	0·46	24·0
11	„ 18	2523	1279	1244	1546	768	778	39·0	47·5	33·0	7·0	0·83	23·4
12	„ 25	2601	1309	1292	1615	824	791	35·7	44·5	27·9	5·8	0·18	10·4
13	April 1	2629	1369	1260	1696	855	841	45·3	53·1	39·5	5·9	0·38	10·7
14	April 8	2566	1320	1246	1581	843	738	51·1	63·5	40·1	7·6	0·00	8·2
15	„ 15	2191	1163	1028	1434	758	676	40·9	51·0	34·2	6·0	0·69	20·7
16	„ 22	2557	1308	1249	1631	893	738	47·5	57·2	41·1	5·9	0·20	13·0
17	„ 29	2546	1328	1218	1524	810	714	50·3	61·3	43·0	8·3	0·21	12·1
18	May 6	2602	1289	1313	1416	735	681	44·8	56·8	33·8	8·9	0·17	9·4
19	„ 13	2509	1256	1253	1457	775	682	47·1	58·7	37·7	10·9	0·00	16·4
20	„ 20	2353	1166	1187	1341	722	619	49·2	62·7	37·5	9·6	0·00	11·5
21	„ 27	2264	1135	1129	1446	765	681	51·1	61·7	43·6	5·4	1·13	11·0
22	June 3	2452	1250	1202	1343	717	626	56·0	69·6	45·5	8·1	0·12	8·9
23	„ 10	2272	1213	1059	1286	660	626	54·5	65·9	47·6	7·1	0·09	11·5
24	„ 17	2474	1255	1219	1280	658	622	56·5	68·9	46·5	8·8	0·54	10·0
25	„ 24	2296	1132	1164	1304	686	618	62·4	74·7	52·6	9·0	0·33	8·7
26	July 1	2387	1208	1179	1175	621	554	62·9	75·9	51·7	10·8	0·00	10·1
27	July 8	2282	1184	1098	1322	677	645	65·5	78·7	58·2	6·9	0·18	11·5
28	„ 15	2311	1217	1094	1475	768	707	65·5	80·8	51·9	12·8	0·00	8·9
29	„ 22	2333	1219	1114	1878	1010	868	70·5	86·7	56·6	13·0	0·00	6·8
30	„ 29	2279	1165	1114	1973	1036	937	63·5	76·2	54·1	9·4	0·35	11·0
31	August 5	2460	1255	1205	1679	888	791	61·2	74·8	52·1	9·3	0·67	15·2
32	„ 12	2276	1149	1127	1572	823	749	66·7	82·2	53·3	12·7	0·00	8·7
33	„ 19	2285	1145	1140	1509	752	757	72·0	85·6	60·4	12·2	0·25	7·0
34	„ 26	2616	1366	1250	1370	712	658	59·0	70·5	50·2	8·4	0·64	9·1
35	Sept. 2	2329	1162	1167	1288	668	620	56·7	68·0	48·9	7·6	0·74	16·0
36	„ 9	2384	1266	1118	1231	667	564	57·5	67·3	51·6	6·4	0·99	15·1
37	„ 16	2396	1211	1185	1119	593	526	51·5	60·5	43·8	5·6	0·18	8·5
38	„ 23	2423	1213	1210	1280	645	635	57·5	69·8	47·6	6·9	0·29	8·4
39	„ 30	2285	1217	1068	1230	683	547	56·8	64·4	51·6	4·2	0·96	13·1
40	October 7	2476	1299	1177	1200	620	580	58·0	66·7	50·8	6·0	0·45	9·4
41	„ 14	2358	1220	1138	1257	657	600	57·3	63·8	52·3	4·0	0·99	13·7
42	„ 21	2641	1363	1278	1224	634	590	53·7	61·8	46·3	4·8	0·00	10·4
43	„ 28	2431	1201	1230	1277	677	600	45·9	49·8	42·4	3·5	0·16	6·1
44	Nov. 4	2613	1334	1279	1403	732	671	44·1	51·0	37·3	5·7	0·20	10·2
45	„ 11	2510	1268	1242	1635	817	818	38·6	44·7	32·8	4·6	0·05	9·5
46	„ 18	2649	1327	1322	1886	948	938	50·0	55·3	44·4	3·0	1·46	10·6
47	„ 25	2367	1169	1198	1504	761	743	43·6	47·5	40·3	4·3	0·30	10·3
48	Dec. 2	2421	1246	1175	1558	792	766	46·0	51·1	40·6	3·4	1·69	12·8
49	„ 9	2410	1247	1163	1446	733	713	47·5	51·0	44·3	3·6	1·40	16·6
50	„ 16	2546	1295	1251	1443	750	693	42·5	45·5	38·8	3·2	0·24	8·5
51	„ 23	2491	1321	1170	1456	753	703	39·9	44·0	35·8	2·1	2·19	8·8
52	„ 30	1978	984	994	1510	776	734	43·3	46·9	39·0	2·3	1·23	16·6

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The mean dew point temperature, for any week, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period. † By Robinson's Anemometer, adopted in place of Whewell's, which was used formerly.

TABLE 24.—**Greenwich Meteorological Elements** for the Year 1876. By J. GLAISHER, Esq., F.R.S.

1876. Months.	Mean Reading of the Barometer.	Temperature of the Air.							Departure from Average of 105 Years. (1771–1875.)	Mean Temperature of the Dew Point.	Mean Tension of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity. Saturation = 100.	Mean Weight of a Cubic Foot of Air.	Relative Proportions of Wind.				Mean Amount of Cloud.	Rain.	
		Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.								N.	E.	S.	W.		Number of Days it fell.	Amount collected.
	in.	°	°	°	°	°	°	°	°	°	in.	grs.	grs.		grs.							in.
January	30·095	56·1	17·4	38·7	42·7	31·1	11·6	37·1	+0·6	33·2	0·189	2·2	0·6	85	562	6	9	11	5	7·4	13	1·1
February	29·628	59·0	21·8	37·2	46·6	36·2	10·4	41·1	+2·5	36·5	0·216	2·5	0·5	84	549	7	4	8	10	7·0	19	1·5
March –	29·391	64·7	25·5	39·2	49·1	35·0	14·1	41·1	0·0	35·1	0·204	2·4	0·6	80	544	6	4	9	12	6·6	18	2·3
April –	29·680	70·2	29·2	41·0	57·7	39·6	18·1	47·2	−1·1	40·4	0·251	2·9	0·8	78	542	5	5	11	9	5·7	9	1·3
May –	29·956	73·6	31·5	42·1	61·6	39·2	22·4	49·4	−3·1	40·5	0·253	2·9	1·2	72	545	10	12	2	7	4·8	5	1·1
June –	29·816	83·9	40·1	43·8	71·2	48·8	22·4	58·5	+0·3	49·6	0·356	4·0	1·5	73	532	10	5	7	8	5·5	10	1·1
July –	29·902	94·0	44·7	49·3	80·0	55·1	24·9	65·9	+4·3	55·5	0·442	4·9	2·1	69	526	5	2	10	14	4·7	8	0·7
August –	29·768	93·8	41·1	52·7	76·8	53·4	23·4	63·7	+2·9	53·6	0·412	4·6	2·0	70	526	7	7	9	8	4·7	13	2·0
September	29·620	72·5	41·6	30·9	65·7	48·6	17·1	55·8	−0·8	50·2	0·365	4·1	0·9	82	532	6	5	8	11	5·9	22	2·6
October –	29·756	72·2	34·5	37·7	59·7	47·0	12·7	52·8	+3·2	48·0	0·336	3·8	0·7	84	537	5	9	11	6	7·2	12	1·6
November	29·702	63·3	25·5	37·8	49·3	38·7	10·6	44·0	+1·7	40·0	0·248	2·8	0·5	86	546	6	7	9	8	6·9	16	3·1
December	29·311	56·2	28·3	27·9	47·7	40·2	7·5	44·1	+5·0	41·3	0·261	3·0	0·3	90	539	3	6	16	6	8·1	22	5·8
Means	29·719	71·6	31·8	39·8	59·0	42·7	16·3	50·1	+1·3	43·7	0·295	3·4	1·0	80	540	76	75	111	104	6·2	167	24·2
																	Sums.				Sum	Sum

Table 25.—METEOROLOGICAL TABLE for LONDON, 1876.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

Winter . . Jan., Feb., March. Spring . . April, May, June. Summer . . July, Aug., Sept. Autumn . . Oct., Nov., Dec.	Temperature of Air. Mean.	Air. Diff. from Average of 105 Years.	Air. Diff. from Average of 35 Years.	Evaporation. Mean.	Evaporation. Diff. from Average of 35 Years.	Dew Point. Mean.	Dew Point. Diff. from Average of 35 Years.	Air—Daily Range. Mean.	Air—Daily Range. Diff. from Average of 35 Years.	Elastic Force of Vapour. Mean.	Elastic Force of Vapour. Diff. from Average of 35 Years.	Weight of Vapour in a Cubic Foot of Air. Mean.	Weight of Vapour in a Cubic Foot of Air. Diff. from Average of 35 Years.	Degree of Humidity. Mean (Sat^{n} = 100).	Degree of Humidity. Diff. from Average of 35 Years.	Reading of Barometer. Mean.	Reading of Barometer. Diff. from Average of 35 Years.	Weight of a Cubic Foot of Air. Mean.	Weight of a Cubic Foot of Air. Diff. from Average of 35 Years.	Rain. Amount.	Rain. Diff. from Average of 61 Years.	Reading of Thermometer on Grass. Number of Nights it was At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.	Highest Reading at Night.
1876.	°	°	°	°	°	°	°	°	°	in.	in.	grs.	gr.			in.	in.	grs.	grs.	in.	in.	Sums.			°	°
YEAR .	50·1	+1·3	+0·6	46·9	+0·3	43·7	0·0	16·3	+0·3	0·295	0·000	3·4	0·0	80	−2	29·719	−0·057	540	−2	24·2	−1·1	75	130	161	14·0	59·7
First Quarter .	39·8	+1·0	−0·1	37·7	−0·2	34·9	−0·5	12·0	+0·2	0·203	−0·004	2·4	−0·1	83	−2	29·705	−0·058	552	0	4·9	0·0	44	38	9	14·0	44·8
Second do. . .	51·7	−1·3	−1·3	47·6	−1·6	43·5	−2·0	21·0	+0·9	0·287	−0·022	3·3	−0·2	74	−2	29·817	+0·028	540	+1	3·5	−2·3	17	40	34	25·1	55·8
Third do. . .	61·8	+2·1	+1·5	57·1	+0·7	53·1	+0·1	21·8	+2·0	0·406	+0·002	4·5	+0·1	74	−4	29·763	−0·038	528	−2	5·3	−2·2	0	11	81	34·1	59·7
Fourth do. . .	47·0	+3·3	+2·4	45·1	+2·4	43·1	+2·3	10·3	−1·7	0·282	+0·022	3·2	+0·2	87	−1	29·590	−0·161	541	−6	10·5	+3·4	14	41	37	20·3	55·9

In this Table, + and − respectively signify that the numbers in the *preceding* column are *above* or *below* the average to the extent of the quantities to which these signs are prefixed.

TABLE 26.—**Number of Houses, &c.** supplied by the several **London Water Companies** during each MONTH of the Year 1876; also the **Average Daily Supply of Water** in GALLONS by the several COMPANIES during each MONTH. (Compiled from Returns furnished by the several Companies during the Year.)

COMPANIES.	NUMBER OF HOUSES, &c. SUPPLIED IN											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Houses supplied -	523,487	523,801	524,228	525,369	525,878	526,541	528,406	529,050	529,628	530,183	531,191	531,445
FROM THAMES - - - - - -	245,766	246,016	246,396	247,328	247,713	248,181	248,661	249,052	249,357	249,648	250,440	250,648
FROM LEA AND FROM OTHER SOURCES -	277,721	277,785	277,832	278,041	278,165	278,360	279,745	279,998	280,271	280,535	280,751	280,797
FROM THAMES.												
CHELSEA - - - - - -	28,600	28,600	28,600	28,675	28,670	28,675	28,675	28,675	28,675	28,737	28,737	28,737
WEST MIDDLESEX - - - - - -	47,490	47,506	47,709	47,800	47,920	48,116	48,278	48,387	48,440	48,481	48,611	48,680
SOUTHWARK AND VAUXHALL - -	80,322	80,346	80,369	80,413	80,456	80,498	80,530	80,570	80,600	80,620	80,690	80,705
GRAND JUNCTION - - - - -	36,036	36,036	36,036	36,616	36,616	36,616	36,616	36,616	36,616	36,616	37,055	37,055
LAMBETH - - - - - -	53,318	53,528	53,682	53,824	54,051	54,276	54,562	54,804	55,026	55,194	55,347	55,471
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - - -	124,056	124,051	123,992	124,135	124,182	124,323	124,553	124,652	124,785	124,922	125,015	125,011
EAST LONDON - - - - -	109,375	109,375	109,375	109,375	109,375	109,375	110,354	110,354	110,354	110,354	110,354	110,354
KENT - - - - - -	44,290	44,359	44,465	44,531	44,608	44,662	44,838	44,992	45,132	45,259	45,382	45,432

COMPANIES.	AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTH OF											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Quantities supplied -	112,034,444	110,394,788	110,440,676	114,315,996	121,146,288	123,192,817	137,133,677	132,035,055	122,421,732	117,228,345	112,621,763	110,423,339
FROM THAMES - - - - - -	56,732,457	57,055,749	57,420,088	59,272,347	62,057,956	63,824,721	69,178,301	67,150,729	64,672,576	61,013,343	57,410,960	56,032,761
FROM LEA AND FROM OTHER SOURCES -	55,301,987	53,339,039	53,020,588	55,043,649	59,088,332	59,368,096	67,955,376	64,884,326	57,749,156	56,215,002	55,210,803	54,390,578
FROM THAMES.												
CHELSEA - - - - - -	6,709,800	6,980,600	7,082,600	7,310,500	7,936,500	8,109,400	8,861,700	8,729,200	8,606,800	7,702,400	7,106,900	6,881,600
WEST MIDDLESEX - - - - - -	9,252,877	9,226,178	9,255,853	9,662,837	10,237,235	10,834,702	11,996,740	11,915,532	10,586,545	10,143,468	9,725,639	9,533,505
SOUTHWARK AND VAUXHALL - -	18,100,000	18,600,000	18,650,000	19,465,000	19,470,500	19,560,200	19,800,000	19,850,000	19,200,000	18,900,000	18,150,000	17,820,000
GRAND JUNCTION - - - - -	10,380,880	10,078,371	10,143,935	10,541,910	11,653,121	12,166,819	13,290,561	12,496,397	11,126,368	10,887,175	10,511,521	10,284,856
LAMBETH - - - - - -	12,288,900	12,170,600	12,287,700	12,292,100	12,760,600	13,153,600	15,229,300	14,159,600	15,152,863	13,380,300	11,916,900	11,512,800
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - - -	26,089,000	24,672,000	24,699,000	24,963,000	26,629,000	26,653,000	31,547,000	29,274,000	25,138,000	25,271,000	24,701,000	24,132,000
EAST LONDON - - - - -	22,562,000	22,079,500	21,886,000	23,452,000	25,086,700	24,984,000	27,718,651	27,170,520	25,233,600	23,849,900	23,642,600	23,849,800
KENT - - - - - -	6,650,987	6,587,539	6,435,588	6,628,649	7,372,632	7,731,096	8,689,725	8,439,806	7,377,556	7,094,102	6,867,203	6,408,778

Note.—The quantities of water in the above Table include the supply for various purposes other than for domestic consumption.

TABLE **27.—Average Number of Houses, &c.** supplied by the several **London Water Companies** during the Year 1876; the **Average Daily Supply of Water** in GALLONS, and in CUBIC METRES* for ALL PURPOSES, in GALLONS for DOMESTIC PURPOSES, and the NUMBER of GALLONS supplied to each HOUSE. (Compiled from Monthly Returns furnished by the several Water Companies during the Year.)

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR IN				
		Gallons.†	Cubic Metres.†	Gallons used for Domestic purposes (estimated).	Gallons used for Domestic purposes daily to each House.	
					1875.	1876.
Total - -	527,434	118,615,743	538,926	97,264,909	184	184
FROM THAMES - - - -	248,267	60,985,166	277,084	50,007,836	200	201
FROM LEA AND OTHER SOURCES - -	279,167	57,630,577	261,842	47,257,073	171	169
FROM THAMES.						
CHELSEA - - - - -	28,671	7,668,167	34,840	6,287,897	216	219
WEST MIDDLESEX - - -	48,118	10,197,593	46,332	8,362,026	171	174
SOUTHWARK AND VAUXHALL - -	80,510	18,963,807	86,162	15,550,322	187	193
GRAND JUNCTION - - -	36,544	11,130,160	50,569	9,126,731	250	250
LAMBETH - - - -	54,424	13,025,439	59,181	10,680,860	201	196
FROM LEA AND OTHER SOURCES.						
NEW RIVER - - - -	124,473	26,147,333	118,799	21,440,813	179	172
EAST LONDON - - - -	109,865	24,292,939	110,374	19,920,210	179	181
KENT - - - - -	44,829	7,190,305	32,669	5,896,050	127	132
Columns - -	1.	2.	3.	4.	5.	6.

Note.—According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866 about 82 per cent. of the total supply of water for all purposes was for domestic use; this proportion has been applied in estimating the quantities for the year 1876 in column 4., showing the gallons probably used for domestic purposes.

The average daily quantity of water supplied by the London Companies during the year 1876 was 118,615,743 gallons (538,926 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 97,264,909 gallons (441,919 cubic metres) were probably used for domestic purposes. The quantity used daily for domestic purposes was 184·4 gallons (83·8 decalitres) to each house, and 26·0 gallons (11·8 decalitres) to each person. The returns of the water companies include uninhabited as well as inhabited houses.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220·09668 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric ton, differing inconsiderably in weight from the ton in common use. It is equal to 100 decalitres. One decalitre equals 2·2009668 gallons.

† The quantities of water in columns 2. and 3. include the supply for various purposes other than for domestic consumption.

REPORT on the ANALYSIS of the WATERS supplied by the METROPOLITAN WATER COMPANIES during the several MONTHS of the YEAR 1876. By Professor FRANKLAND, D.C.L., F.R.S., &c.

Royal College of Chemistry,
30th January 1877.

SIR,

I HAVE to submit to you in the accompanying tabular statements the results of the chemical examination of the water supplied to London by the eight Metropolitan Companies, during the year 1876.

The temperature of each sample at the time of collection, and the condition of the water as regards clearness or turbidity, has been recorded, and in all cases of turbidity a microscopic examination of the sediment deposited by the water on standing has been made.

Table A. gives the temperature of the water as it flowed from the main at the time of collection. Classifying the waters in three groups according to their sources, the following variations of temperature were observed :—

The temperature of the Thames water supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies, varied from 1°·0 C. (33°·8 Fahr.) in January, to 21°·5 C. (70°·7 Fahr.) in July and August.

That of the Lea water, delivered by the New River and East London Companies, ranged from 1°·5 C. (34°·7 Fahr.) in January, to 21°·2 C. (70°·2 Fahr.) in August.

The Kent Company's deep well water showed a minimum temperature of 10° C. (50° Fahr.) in January, and a maximum of 17° C. (62°·6 Fahr.) in October. The latter comparatively high temperature was observed only once, and was probably due to some accidental circumstance. Omitting this observation, the maximum was 14°·5 C. (58°·1 Fahr.)

Thus it will be seen that the temperature of the river waters varied according to the season, ranging through no less than 19°·7 C. (35°·5 Fahr.) ; consequently they were in imminent danger of freezing in winter, and they were vapid and unpleasantly warm in summer. The range of temperature in the deep well water was much smaller, and extended through only 7° C. (12°·6 Fahr.); or omitting the one abnormal observation just referred to, through only 4°·5 C. (8°·1 Fahr.)

Table B. shows the amount of solid impurity contained in 100,000 parts by weight of water. This solid matter is composed of a great variety of substances, by far the largest proportion being entirely harmless when the water is used for dietetic purposes, but decidedly injurious when it is used for washing. A small proportion of the total solid impurity consists of organic matter. This is always objectionable, and at times, when present in river water, it is dangerous to health. The average proportion of solid matters in all the three classes of waters was nearly the same last year as in 1875, there being a very slight increase in the Thames and deep well water and a very slight decrease in the Lea water.

Tables C. and D. exhibit the proportion of organic impurity actually present in the waters, as represented by the two most important constituents of organic matter, carbon and nitrogen. The importance of these indications depends chiefly on the fact that the pollution of the Thames and Lea is to a great extent of animal origin. On the whole, the year 1876 was very favourable for the river waters. Up to the end of November the rain-fall was greatly below the average, and in consequence much polluting matter which would otherwise have been washed into the rivers was retained nearer to its source. In the months of February, May, June, July, August, September, and November the river waters contained very much less organic impurity than usual ; indeed in August and October the water delivered by the New River Company was chemically purer than the deep well water of the Kent Company, although the latter maintained its usual excellent

quality. When, however, the heavy rains of December set in, the accumulated filth of the summer and autumn was swept into the neighbouring streams, the Thames overflowed its banks, washing the manure from cultivated land, and liberating the water from stagnant ponds and ditches. Thus during the last month of the year the Thames was laden with organic matters of the most objectionable origin, which were carried down to the intakes of the Metropolitan Water Companies ; they passed through the filters and were distributed to consumers.

Since January 1873, the Thames has never been in such a filthy plight, and although most of the water companies drawing from this river have greatly improved their subsidence and filtration plant since that date, no care, foresight, or appliance could convert the "puddle" (to quote an entry in the books of the West Middlesex Company) which entered the Companies' works into wholesome potable water fit for dietetic purposes. These uncontrollable and frequently occurring outbreaks render this river a very undesirable source of water for domestic use.

Taking the mean proportion of organic impurity in the Thames water delivered in London in 1868 as 1,000, I find that in subsequent years, 1876 included, the following proportions were present :—

Year.	Proportion of organic impurity present in Thames water as delivered in London.
1868	1,000
1869	1,016
1870	795
1871	928
1872	1,243
1873	917
1874	933
1875	1,030
1876	903

The greatest organic pollution in the water drawn from the Thames occurred in January, March, April, October, and December, when the water was not fit for dietetic purposes. Of the five Companies drawing from this river the West Middlesex Company delivered as usual the best, and the Southwark and Vauxhall Company the worst water.

The Lea is a more manageable stream, it receives a much smaller proportion of polluting matter, and rarely overflows its banks ; consequently the water drawn from this source by the New River and East London Companies, and distributed after efficient filtration to nearly one half of the inhabitants of London, is of much better quality, even after exceptionally heavy rain-fall.

The most serious pollution of the Lea occurred in March ; but even on this occasion the water was better than that drawn from the Thames in any of the months just mentioned.

Taking, as before, the mean proportion of organic impurity in the Thames water supplied to London in 1868 as 1,000, I find in that and subsequent years, down to 1876 inclusive, the following proportions in the Lea water delivered by the New River and East London Companies :—

Year.	Proportion of organic impurity present in Lea water as delivered in London.
1868	484
1869	618
1870	550
1871	604
1872	819
1873	693
1874	583
1875	751
1876	562

Table E. The deep well water distributed by the Kent Company continues to be distinguished from the other supplies by containing a less proportion of organic matter, and, on this account, is again taken as the standard for comparison in the table. Taking the amount of organic elements (organic carbon and organic nitrogen) found in it during the past year as unity, the maximum, minimum, and average proportions in each of the other seven Metropolitan waters supplied during 1876 were as follows :—

Sources.		Maximum.	Minimum.	Average.
Deep wells - Kent - -		1·0	1·0	1·0
River Lea -	New River - -	3·3	0·9	1·9
	East London - -	4·0	1·7	2·8
Thames -	West Middlesex -	6·7	1·8	3·3
	Grand Junction -	7·6	1·9	3·6
	Chelsea - -	7·0	1·9	3·9
	Lambeth - -	6·2	1·7	4·0
	Southwark - -	9·5	2·0	4·4

This Table shows that whilst all the river waters are, on the average, of a much lower quality than the deep well water of the Kent Company, the degree of their impurity varies between wide limits; thus the maximum proportion of organic impurity in the Southwark Company's water was nearly three times as great as that in the New River Company's supply.

Tables F. and G. need no comment.

Table H. shows the total weight of combined nitrogen, which, after deducting a small correction for that present in average rain water, constitutes the total evidence both of past and present pollution by nitrogenous organic matter.

During the spring and summer months the combined nitrogen in river water is largely diminished by the abundant animal and vegetable life then existing in the streams, and consequently, as an indication of pollution, the combined nitrogen found during the autumn and winter months only should receive consideration. During the months of January, February, March, October, November, and December 1875, the average proportion of total combined nitrogen in 100,000 parts of Thames water was ·337 part; in the same period of 1876 it was ·312 part. In the same quantity of water derived from the river Lea it was ·314 part in 1875, and ·294 part in 1876.

The deep well water supplied by the Kent Company is unaffected by animal or vegetable life, and the average may therefore be taken on the whole year. In 1875 it was ·437 part, and in 1876 ·423 part. Thus the total combined nitrogen has slighly decreased in all the three waters.

Table I. gives the *past* as distinguished from the *present* or existing contamination of the water by sewage and animal substances, showing, in terms of average London sewage, the proportion of previous animal contamination as estimated from Tables F. and G. This evidence is defective in river water during the spring and summer months, for the reasons which have been given as affecting the results expressed in Table H. Such action of animal and vegetable organisms may even obliterate altogether the evidence of previous sewage pollution; and it has actually done so during the past year, on one occasion, in the case of the East London Company's water. This water arrives at the Company's intake exhibiting considerable evidence of previous contamination by animal organic matter, but it is stored for a period of from two to three weeks before being filtered, and during its continuance in the reservoirs the evidence of previous contamination becomes effaced. This evidence is of importance in the Thames and Lea water, owing to the likelihood of morbific matter derived from animal excreta being carried down the stream without undergoing decomposition. But it need not be regarded in the water of deep wells in the chalk, as the slow and therefore extremely efficient filtration which the water undergoes in passing through so great a thickness of chalk is an ample protection.

Table K. exhibits the quantity of chlorine found in the various samples. The results obtained prove that the tidal waters of the Thames and Lea had, in no case during 1876, obtained entrance to the reservoirs or filters of the water companies.

Table L. shows the hardness of the samples analysed ; or the weight of carbonate of lime, or its equivalent of other soap-destroying substances, found in 100,000 parts of water. The average hardness of the Thames water was 20° or parts in 1875, and 19°·8 or parts in 1876 ; of the Lea, 20°·4 or parts in 1875, and 20°·1 or parts in 1876 ; and of the Kent Company's water, 25°·9 or parts in 1875, and 26°·8 or parts in 1876.

Large quantities of soap or soda are required to soften these waters before they are used for washing. This softening could be accomplished for a small fraction of the expense before the distribution of the water by the use of lime, as practised on similar waters at Aylesbury, Canterbury, Caterham, Tring, and Bushey.

Lastly, Table M. shows the annual average of each determination, thus summarizing the average results of analysis of the water supplied by each Company during the year.

The following table exhibits the results of my observations as to the degree of efficiency of filtration of Thames and Lea water distributed by the various Companies in 1876 :—

Names of Companies.	Number of occasions when clear and transparent.	Number of occasions when slightly turbid.	Number of occasions when turbid.	Number of occasions when very turbid.
Thames.				
Chelsea - - - -	7	4	1	0
West Middlesex - - -	12	0	0	0
Southwark - - -	5	6	1	0
Grand Junction - - -	8	4	0	0
Lambeth - - - -	8	4	0	0
Other Sources.				
New River - - -	12	0	0	0
East London - - -	12	0	0	0
Kent - - - -	12	0	0	0

The natural filtration which the Kent Company's deep well water undergoes through an enormous thickness of chalk renders artificial filtration unnecessary, and is the cause of its uniform clearness and transparency.

This table shows that the West Middlesex, New River, and East London Companies only, out of the seven which supply river water to London, uniformly delivered the water in an efficiently filtered condition.

Since the year 1868, when I first instituted these observations, the filtration of the river water has undergone great and continuous improvement. Thus, during the year 1868, seven samples of water were *very* turbid when drawn from the mains ; in 1869 six samples were very turbid ; four in each of the years 1870 and 1871 ; in 1872 only one sample was very turbid ; in 1873 none ; in 1874 the Chelsea Company's water reached that degree of muddiness on two occasions, but since that date no sample has been drawn in a *very* turbid condition from any main in the Metropolis.

When examined by the microscope, the sediment deposited by turbid water on standing is almost always found to contain numbers of living and moving

organisms. During the year 1876 such organisms were observed in the Chelsea and Lambeth Company's water four times each, in the Southwark Company's water seven times, and in the water of the Grand Junction Company three times. The annexed Table exhibits the results of such microscopic examinations during the past eight years :—

	Number of occasions when moving organisms were found.							
	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
Chelsea - - -	3	2	2	3	2	5	4	4
West Middlesex - -	0	0	0	0	0	0	0	0
Southwark - - -	8	1	4	1	2	5	5	7
Grand Junction - -	4	1	1	2	3	5	7	3
Lambeth - - -	5	0	4	6	3	4	5	4
New River - - -	0	0	0	0	1	1	0	0
East London - -	4	3	3	1	0	2	0	0
Kent - - - -	0	0	0	0	0	0	0	0

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Table A.

Temperature (in Centigrade degrees) of the Metropolitan Waters, as delivered from the different Companies' Mains.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	3·0	4·5	5·0	7·0	11·0	15·2	18·2	20·0	14·2	15·7	8·7	9·5	11·0
West Middlesex -	2·2	4·7	6·0	8·2	11·5	16·7	21·5	21·0	15·0	16·5	9·2	9·5	11·8
Southwark - -	2·5	4·2	6·0	8·0	12·0	17·2	21·0	21·5	14·7	15·0	9·5	10·0	11·8
Grand Junction -	1·0	—	5·0	6·5	9·0	13·5	17·5	19·5	13·7	14·5	10·0	9·7	10·9
Lambeth - -	2·2	4·0	5·7	7·2	11·0	15·0	20·0	20·5	14·2	15·0	8·5	9·5	11·1
Other Sources.													
New River - -	2·0	4·0	5·2	8·5	12·0	17·0	20·5	21·2	15·0	16·5	7·7	9·2	11·6
East London -	1·5	4·5	4·5	8·0	11·2	15·5	20·2	21·0	14·0	14·5	8·0	9·0	11·0
Kent - - -	10·0	12·0	11·7	11·7	13·0	14·5	14·0	14·0	13·0	17·0	13·0	13·5	13·1

Table B.

Weight of Solid Impurity in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	32·20	31·90	26·62	27·60	30·60	26·78	26·94	24·28	26·06	30·30	30·00	28·40	28·47
West Middlesex -	32·60	31·80	28·24	27·92	27·70	25·80	26·00	24·00	25·30	29·16	29·60	29·00	28·09
Southwark - -	32·76	32·00	26·94	25·90	27·26	25·70	25·70	24·54	26·74	30·22	30·00	27·94	27·98
Grand Junction -	32·60	32·50	27·80	29·12	28·66	26·50	26·40	23·70	26·30	30·24	30·14	28·36	28·53
Lambeth - -	32·90	33·20	30·00	29·00	30·16	27·40	27·72	26·40	28·66	31·74	25·66	28·50	29·28
Other Sources.													
New River - -	31·86	30·20	28·96	27·26	26·04	25·20	25·90	24·20	24·92	27·96	28·54	31·24	27·69
East London -	36·66	35·20	30·26	28·30	28·84	24·96	25·56	23·50	24·50	27·70	31·00	32·10	29·05
Kent - - -	41·44	38·12	40·40	41·30	42·10	39·12	41·70	40·44	41·76	43·34	41·20	37·50	40·70

Table C.

Organic Carbon in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·237	·139	·319	·264	·146	·103	·129	·104	·096	·260	·126	·354	·190
West Middlesex -	·216	·148	·242	·195	·146	·056	·095	·098	·093	·172	·113	·338	·159
Southwark - -	·294	·172	·285	·212	·159	·094	·146	·138	·165	·286	·113	·478	·212
Grand Junction -	·182	·142	·267	·199	·129	·107	·122	·099	·103	·215	·100	·380	·170
Lambeth - -	·230	·141	·233	·276	·133	·123	·138	·088	·159	·269	·167	·315	·189
Other Sources.													
New River - -	·134	·089	·207	·097	·091	·033	·065	·049	·068	·059	·055	·154	·092
East London -	·168	·136	·215	·117	·182	·057	·098	·094	·097	·140	·113	·199	·135
Kent - - -	·034	·027	·060	·059	·056	·015	·047	·054	·047	·061	·053	·048	·047

Table D.

Organic Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - - -	·050	·032	·052	·029	·025	·029	·016	·018	·011	·041	·027	·069	·033
West Middlesex -	·042	·042	·051	·023	·035	·019	·011	·016	·012	·024	·022	·067	·030
Southwark - -	·069	·048	·053	·033	·021	·026	·032	·020	·026	·035	·013	·092	·039
Grand Junction -	·047	·048	·054	·037	·030	·022	·015	·015	·014	·021	·022	·074	·033
Lambeth - -	·059	·041	·050	·035	·060	·029	·024	·013	·014	·025	·033	·056	·037
Other Sources.													
New River - -	·042	·033	·028	·025	·025	·011	·014	·004	·008	·007	·010	·031	·020
East London -	·050	·038	·027	·031	·018	·021	·021	·009	·014	·011	·021	·040	·025
Kent - - -	·020	·016	·016	·011	·013	·008	·013	·007	·009	·010	·011	·012	·012

Table E.

Proportional Amount of Organic Elements, that in the Kent Company's Water being taken as 1.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	5·3	4·0	4·9	4·2	2·5	5·7	2·4	2·0	1·9	4·2	2·4	7·0	3·9
West Middlesex -	4·8	4·4	3·9	3·1	2·6	3·3	1·8	1·9	1·9	2·8	2·1	6·7	3·3
Southwark - -	6·7	5·1	4·4	3·5	2·6	5·2	3·0	2·6	3·4	4·5	2·0	9·5	4·4
Grand Junction -	4·2	4·4	4·2	3·4	2·3	5·6	2·3	1·9	2·1	3·3	1·9	7·6	3·6
Lambeth - -	5·4	4·2	3·7	4·4	2·8	6·6	2·7	1·7	3·1	4·1	3·1	6·2	4·0
Other Sources.													
New River - -	3·3	2·9	3·1	1·7	1·7	1·9	1·3	0·9	1·4	0·9	1·0	3·1	1·9
East London -	4·0	4·0	3·2	2·1	2·9	3·4	2·0	1·7	2·0	2·1	2·1	4·0	2·8
Kent - - -	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0

Table F.

Ammonia in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	0	0	·001	0	·001	·001	0	·001	·002	·001	·001	·001	·001
West Middlesex -	0	0	0	0	·001	·001	0	·001	·001	·001	·001	·001	·001
Southwark - -	0	0	·001	0	·001	·001	·001	·001	·001	·002	·001	·001	·001
Grand Junction -	0	0	·001	0	·001	·001	0	·001	0	·002	·001	·001	·001
Lambeth - -	0	0	·001	0	0	·001	0	·001	·001	·001	·001	·001	·001
Other Sources.													
New River - -	0	0	·001	0	0	·001	0	·001	0	·001	·001	·001	0
East London -	0	0	·002	0	0	·001	0	0	0	·001	·001	·001	0
Kent - - -	0	0	0	0	0	·001	·002	·001	0	0	·001	0	0

Table G.

Nitrogen as Nitrates and Nitrites in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·281	·315	·208	·260	·250	·223	·198	·137	·176	·279	·263	·287	·240
West Middlesex -	·287	·307	·241	·231	·227	·190	·130	·118	·160	·224	·289	·288	·224
Southwark - -	·291	·294	·233	·253	·224	·186	·145	·126	·167	·226	·234	·251	·219
Grand Junction -	·292	·290	·210	·254	·246	·202	·169	·121	·158	·269	·275	·265	·229
Lambeth - -	·315	·342	·266	·258	·282	·221	·178	·163	·182	·238	·171	·251	·239
Other Sources.													
New River - -	·343	·333	·272	·268	·222	·204	·190	·167	·195	·225	·278	·349	·254
East London -	·293	·281	·235	·215	·176	·154	·104	0	·090	·166	·192	·218	·177
Kent - - -	·474	·382	·402	·409	·417	·459	·414	·357	·424	·429	·394	·368	·411

Table H.

Total combined Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·331	·347	·261	·289	·276	·253	·214	·156	·189	·321	·291	·357	·274
West Middlesex -	·329	·349	·292	·254	·263	·210	·141	·135	·173	·249	·312	·356	·255
Southwark - -	·360	·342	·287	·286	·246	·213	·178	·147	·194	·263	·248	·344	·259
Grand Junction -	·339	·338	·265	·291	·277	·225	·184	·137	·172	·292	·298	·340	·263
Lambeth - -	·374	·383	·317	·293	·342	·251	·202	·177	·197	·264	·205	·308	·276
Other Sources.													
New River - -	·385	·366	·301	·293	·247	·216	·204	·172	·203	·233	·289	·381	·274
East London -	·343	·319	·264	·246	·194	·176	·125	·009	·104	·178	·214	·259	·203
Kent - - -	·494	·398	·418	·420	·430	·468	·429	·365	·433	·439	·406	·380	·423

Table I.

Previous Sewage or Animal Contamination in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	2490	2830	1770	2280	2190	1920	1660	1060	1460	2480	2320	2560	2085
West Middlesex -	2550	2750	2090	1990	1960	1590	980	870	1290	1930	2580	2570	1929
Southwark - -	2590	2620	2020	2210	1930	1550	1140	950	1360	1960	2030	2200	1880
Grand Junction -	2600	2580	1790	2220	2150	1710	1370	900	1260	2390	2440	2340	1979
Lambeth - -	2830	3100	2350	2260	2500	1900	1460	1320	1510	2070	1400	2200	2075
Other Sources.													
New River - -	3110	3010	2410	2360	1900	1730	1580	1360	1630	1940	2470	3180	2223
East London -	2610	2490	2050	1830	1440	1230	720	0	580	1350	1610	1870	1482
Kent - - -	4420	3500	3700	3770	3850	4280	3840	3260	3920	3970	3630	3360	3791

Table K.

Chlorine in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	1·78	1·65	1·52	1·63	1·58	1·58	1·60	1·62	1·59	1·70	1·68	1·70	1·64
West Middlesex -	1·70	1·61	1·55	1·62	1·58	1·55	1·57	1·61	1·54	1·80	1·67	1·65	1·62
Southwark - -	1·68	1·57	1·55	1·61	1·56	1·57	1·57	1·60	1·55	1·70	1·64	1·67	1·61
Grand Junction -	1·70	1·60	1·60	1·60	1·55	1·58	1·63	1·58	1·51	1·70	1·65	1·65	1·61
Lambeth - -	1·70	1·63	1·60	1·64	1·57	1·59	1·60	1·67	1·54	1·70	1·67	1·70	1·63
Other Sources.													
New River - -	1·60	1·65	1·57	1·60	1·62	1·57	1·62	1·62	1·44	1·60	1·60	1·60	1·59
East London -	1·92	1·90	1·75	1·80	1·80	1·80	1·79	1·75	1·63	1·82	1·87	1·95	1·82
Kent - - -	2·35	2·30	2·30	2·21	2·40	2·53	2·45	2·32	2·40	2·35	2·35	2·30	2·36

Table L.

Degrees of Hardness (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the Waters.

Names of Companies.	1876.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	23·0	22·7	17·4	20·0	20·0	20·0	18·9	18·6	18·3	20·0	20·9	18·3	19·8
West Middlesex -	23·3	23·0	19·4	19·7	19·7	19·4	18·0	17·7	18·6	19·1	20·9	18·6	19·8
Southwark - -	22·7	23·8	18·6	19·4	19·7	18·9	18·2	18·3	18·9	20·0	20·9	17·4	19·7
Grand Junction -	23·0	23·2	19·0	20·0	20·4	20·0	18·9	18·0	18·9	19·8	21·2	18·0	20·0
Lambeth - -	21·8	23·0	19·7	19·7	20·6	20·3	19·4	19·1	18·6	20·2	17·1	18·0	19·8
Other Sources.													
New River - -	23·4	21·5	20·4	19·6	18·6	19·4	18·9	18·0	18·6	20·2	21·2	21·5	20·1
East London -	26·0	24·2	20·3	19·4	18·9	18·3	18·3	16·6	17·7	19·1	22·7	20·9	20·2
Kent - - -	26·6	26·6	27·2	26·9	27·2	26·9	26·3	26·6	26·9	27·2	27·2	25·5	26·8

Table M.

Averages for 1876.

The numbers in this Table relate to 100,000 parts of each Water.

Names of Companies.	Temperature in Centigrade Degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage or Animal Contamination. (Estimated.)	Chlorine.	Total Hardness.	Proportional Amount of organic Elements, that in the Kent Company's Water being taken as 1.
Thames.	°										
Chelsea - - - -	11·0	28·47	·190	·033	·001	·240	·274	2085	1·64	19·8	3·9
West Middlesex - -	11·8	28·09	·159	·030	·001	·224	·255	1929	1·62	19·8	3·3
Southwark - - -	11·8	27·98	·212	·039	·001	·219	·259	1880	1·61	19·7	4·4
Grand Junction - -	10·9	28·53	·170	·033	·001	·229	·263	1979	1·61	20·0	3·6
Lambeth - - -	11·1	29·28	·189	·037	·001	·239	·276	2075	1·63	19·8	4·0
Other Sources.											
New River - - -	11·6	27·69	·092	·020	0	·254	·274	2223	1·59	20·1	1·9
East London - - -	11·0	29·05	·135	·025	0	·177	·203	1482	1·82	20·2	2·8
Kent - - - -	13·1	40·70	·047	·012	0	·411	·423	3791	2·36	26·8	1·0

Fires in London during the Year 1876.

Captain Eyre M. Shaw, the Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended by the brigade during 1876 was 1632, showing an increase of 103 upon the number in 1875, and exceeding by 42 the average number in the ten years 1866–75. Eleven per cent. of the fires attended in 1876 were described as serious, corresponding with the proportion in 1875. Life was seriously endangered at 72 of the fires in 1876, and in 29 cases life was lost. The lives of 123 persons were seriously endangered; 88 of them were saved, and 35 lost. The number of lives lost at fires in London in the three preceding years were 35, 23, and 29 respectively.

The establishment of the Metropolitan Fire Brigade at the end of the year was distributed at 49 engine, 166 escape, and 4 floating stations. The number of fire engines at these stations was 121, an increase of seven upon the number in the previous year; 3 were floating steam engines, 26 land steam engines, and 92 manual engines. The number of fire escapes was 136, showing a further increase of four upon the numbers in recent years. The strength of the brigade was 400, of all ranks, including the chief officer and the superintendents, and exceeded by five the number in the previous year. The number of firemen employed on the several watches kept up throughout the Metropolis was 94 by day and 182 by night. The cases of injury occurring among the men during the year were 70 against 64 in 1875; one fireman was killed on duty.

The quantity of water used for extinguishing fires in the Metropolis during 1876 was rather more than 21 millions of gallons, or about 94,500 tons; this quantity, of which about two-fifths was taken from the street pipes and the remainder from the river, canals, or docks, was about double the amount raised in 1875. During the year there were six cases of short supply of water, 24 of late attendance of turncocks, and 10 of no attendance, making 40 cases in which the water arrangements were unsatisfactory, against 47 and 32 in the two preceding years.

Number of **Fires** and of **False Alarms** attended during the seven Years 1870–76, and in each Month of 1876.

Years and Months.	Total Calls.	Fires.			Alarms.		
		Serious.	Slight.	Total.	False.	Chimney.	Total.
1870	2188	276	1670	1946	133	109	242
1871	2046	207	1635	1842	124	80	204
1872	1671	120	1374	1494	104	73	177
1873	1703	166	1382	1548	83	72	155
1874	1750	154	1419	1573	89	88	177
1875	1668	163	1366	1529	90	49	139
1876	1787	166	1463	1632	91	64	155
1876. January	161	13	136	149	2	10	12
February	122	11	100	111	6	5	11
March	151	15	113	128	10	13	23
April	120	9	104	113	5	2	7
May	135	13	110	123	5	7	12
June	162	19	126	145	10	7	17
July	214	25	175	200	9	5	14
August	195	15	162	177	17	1	18
September	123	10	105	115	7	1	8
October	110	10	90	100	4	6	10
November	148	11	124	135	8	5	13
December	146	15	121	136	8	2	10

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